NO—MO/34.

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MAGNETIC, METEOROLOGICAL AND SEISMOGRAPHIC OBSERVATIONS

MADE AT THE

GOVERNMENT OBSERVATORIES

BOMBAY AND ALIBAG

IN THE YEAR

1934

UNDER THE DIRECTION OF

S. C. ROY, M.Sc., D.Sc. (LOND.)

Published by Authority of the Government of India


00133519

PUBLISHED BY MANAGER OF PUBLICATIONS, DELHI
PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, NEW DELHI
1936.

Price Rs. 10 As. 4 or 17s.

List of Agents in India from whom Government of India Publications are available.

(*a*) PROVINCIAL GOVERNMENT BOOK DEPOTS.

MADRAS :—Superintendent, Government Press, Mount Road, Madras.
BOMBAY :—Superintendent, Government Printing and Stationery, Queen's Road, Bombay.
SIND :—Manager, Sind Government Book Depot, Karachi (Sadar).
UNITED PROVINCES :—Superintendent, Government Press, Allahabad.
PUNJAB :—Superintendent, Government Printing, Punjab, Lahore.
BURMA :—Superintendent, Government Printing, Burma, Rangoon.
CENTRAL PROVINCES :—Superintendent, Government Printing, Central Provinces, Nagpur.
ASSAM :—Superintendent, Assam Secretariat Press, Shillong.
BIHAR AND ORISSA :—Superintendent, Government Printing, P. O. Gulzarbagh, Patna.
NORTH-WEST FRONTIER PROVINCE :—Manager, Government Printing and Stationery, Peshawar.

(*b*) PRIVATE BOOK-SELLERS.

Advani Brothers, P. O. Box 100, Cawnpore.
Aero Stores, Karachi.*
Albert Library, Dacca.
Banerjee & Bros., Ranchi, Messrs. G.
Banthiya & Co., Ltd., Station Road, Ajmer.
Bengal Flying Club, Dum Dum Cantt.*
Bhawnani & Sons, New Delhi.
Book Company, Calcutta.
Booklover's Resort, Taikad, Trivandrum, South India.
Burma Book Club, Ltd., Rangoon.
Butterworth & Co. (India), Ltd., Calcutta.
Calcutta Book Agency, 16-1, Shama Charan Dey Street, Calcutta.
Chatterjee & Co., 3, Bacharam Chatterjee Lane, Calcutta.
Chukervertty, Chatterjee & Co., Ltd., 13, College Square, Calcutta.
City Book Co., Madras.
City Book House, Meston Road, Cawnpore.
Commercial Book Co., Lahore.
Das Gupta & Co., 54/3, College Street, Calcutta.
Deccan Book Stall, Poona, 4.
Delhi and U. P. Flying Club, Ltd., Delhi.*
English Book Depot, Ferozepore.
English Book Depot, Taj Road, Agra and Saddar Bazar, Jhansi.
English Book Depot, Bank Road, Ambala Cantonment and Kasauli.
English Bookstall, Karachi.
Faqir Chand Marwah, Peshawar Cantt.
Fono Book Agency, Simla.
Gaya Prasad & Sons, Agra.
Grantha Mandir, Cuttack.
Higginbothams, Madras.
Hindu Library, 137/F, Balaram De Street, Calcutta.
Hyderabad Book Depot, Chaderghat, Hyderabad (Deccan).
Imperial Book Depot and Press, near Jama Masjid (Machhliwalan), Delhi.
Indian Army Book Depot, Dayalbagh, Agra.
Indian Army Book Depot, Jullundur City and Daryaganj, Delhi.
Indian Book Shop, Benares City.
Indian School Supply Depot, Central Avenue South, P. O. Dharamtala, Calcutta.
Insurance Publicity Co., Ltd., Lahore.
International Book Service, Poona, 4.
Jacques & Co., Kamptee Road, Nagpur, Messrs. Neston.
Jaina & Bros., Mori Gate, Delhi and Connaught Place, New Delhi, Messrs. J. M.
James Murray & Co., 12 Govt. Place, Calcutta (for Meteorological publications only).
Kali Charan & Co., Municipal Market, Calcutta.
Kamala Book Depot, 15, College Square, Calcutta.
Kamala Book Stores, Bankipore, Patna.
Karnataka Publishing House, Bangalore City.
Keale & Co., Karachi.
Kitabistan, 17-A, City Road, Allahabad.
Krishnaswami & Co., Teppakulam P. O., Trichinopoly Fort, Messrs. S.
Lahiri & Co., Calcutta, Messrs. S. K.
Law Printing House, 11, Mount Road, Madras.
Law Publishing Co., Mylapore, Madras.
Lawrence and Mayo, Ltd., Bombay (for Meteorological publications only).
Local Self-Govt. Institute, Bombay.
London Book Co. (India), Arbab Road, Peshawar, Murree, Nowshera, Rawalpindi.
London Book Depot, B. I. Bazar, Bareilly, U. P.
Messrs. U. P. Malhotra & Co., Post Box No. 94, Lahore.
Modern Book Depot, Bazar Road, Sialkot Cantonment.
Mohanlal Dossabhai Shah, Rajkot.
Motilal Banarsi Das, Oriental Book sellers, Saidmitha Street, Lahore.
Nandkishore & Bros., Chowk, Benares City.
Nateson & Co., Publishers, George Town, Madras, Messrs. G. A.
New Book Co., "Kitab Mahal", 192, Hornby Road, Bombay.
Newman & Co., Ltd., Calcutta, Messrs. W.
North India Christian Tract and Book Society, 18, Clive Road, Allahabad.
Oriental Book Supplying Agency, 15, Shukrawar, Poona City.
Oxford Book and Stationery Company, Delhi, Lahore, Simla, Meerut and Calcutta.
Parikh & Co., Baroda, Messrs. B.
Pioneer Book Supply Co., 20, Shib Narayan Das Lane, Calcutta and 219, Cloth Market, Delhi.
Popular Book Depot, Grant Road, Bombay.
Punjab Religious Book Society, Lahore.
Raghunath Prasad & Sons, Patna City.
Rama Krishna & Sons, Booksellers, Anarkali, Lahore.
Ram Krishna Bros., Opposite Bishrambag, Poona City.
Ram Narain Lal, Katra, Allahabad.
Ramesh Book Depot & Stationery Mart, Kashmere Gate, Delhi.
Ray & Sons, 43, K. & L. Edwardes Road, Rawalpindi, Murree and Peshawar, Messrs. J.
Ray Chowdhury & Co., 119, Ashutosh Mukherjee Road, Bhawanipur, Calcutta.
Rochouse & Sons, Madras.
Roy Chowdhury & Co., 11, College Square, Calcutta, Messrs. N. M.
Sampson William & Co., 127-B., The Mall, Cawnpur.
Sarcar & Sons, 15, College Square, Calcutta, Messrs. M.C.
Sarkar & Co., Ltd., 18, Shama Charan De Street and 8/2, Hastings Street, Calcutta, Messrs. P. C.
Scientific Publishing Co., 9 Taltola Lane, Calcutta.
Seshachalam & Co., Masulipatam, Messrs. M.
Shivji & Co., P. O. Chauliaganj, Cuttack.
Shri Shankar Karnataka Pustaka Bhandara, Malamuddi, Dharwar.
S. P. Bookstall, 21, Budhwar, Poona.
Standard Bookstall, Karachi.
Standard Bookstall, Quetta.
Standard Book Depot, Lahore, Dalhousie and Delhi.
Standard Law Book Society, 5, Hastings Street, Calcutta.
Standard Literature Company, Ltd., Calcutta.
Students' Popular Depot, Kacheri Road, Lahore.
Surat and District Trading Society, Surat.
Taraporevala Sons & Co., Bombay, Messrs. D. B.
Thacker & Co., Ltd., Bombay.
Thacker, Spink & Co., Ltd., Calcutta and Simla.
Tripathi & Co., Booksellers, Princes Street, Kalbadevi Road, Bombay, Messrs. N. M.
Union Stores, Indore City.
University Book Agency, Kacheri Road, Lahore.
Upper India Publishing House, Ltd., Literature Palace, Ammuddaula Park, Lucknow.
Varadachary & Co., Madras, Messrs. P.
Venkatasubban, A., Law Bookseller, Vellore.
Wheeler & Co., Allahabad, Calcutta and Bombay, Messrs. A. H.
Young Man & Co., Ajmer and Egerton Road, Delhi.

* Agent for publications on Aviation only.

Digitized with financial assistance from
Government of Maharashtra
on 01 February, 2020

GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MAGNETIC, METEOROLOGICAL AND SEISMOGRAPHIC OBSERVATIONS

MADE AT THE

GOVERNMENT OBSERVATORIES

BOMBAY AND ALIBAG

IN THE YEAR

1934

133519



UNDER THE DIRECTION OF

S. C. ROY, M.Sc., D.Sc. (LOND.)



Published by Authority of the Government of India

PUBLISHED BY MANAGER OF PUBLICATIONS, DELHI
PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, NEW DELHI
1936

TABLE OF CONTENTS.

PAGE.

1. Introduction v
   Meteorological instruments at Colaba v
   Magnetic instruments at Alibag vii
   System of observation at Colaba ix
   System of observation at Alibag ix
   General Review x
   Absolute observations and base-line values xii
   Seismographs xiv
   Magnetic Storms xiv
   Atmospheric Electricity xiv

2. Barometric pressure—
   January A-2
   February A-2
   March A-4
   April A-4
   May A-6
   June A-6
   July A-8
   August A-8
   September A-10
   October A-10
   November A-12
   December A-12

3 Rainfall—
   June A-14
   July A-14
   August A-16
   September A-18
   November A-18

4. Wind velocity—
   January A-20
   February A-20
   March A-22
   April A-22
   May A-24
   June A-24
   July A-26
   August A-26
   September A-28
   October A-28
   November A-30
   December A-30

5. Direction of wind—
   January A-32
   February A-32
   March A-34
   April A-34
   May A-36
   June A-36
   July A-38
   August A-38
   September A-40
   October A-40
   November A-42
   December A-42

PAGE.

6. Air temperature—

January .. A-44
February .. A-44
March .. A-46
April .. A-46
May .. A-48
June .. A-48
July .. A-50
August .. A-50
September .. A-52
October .. A-52
November .. A-54
December .. A-54

7. Relative humidity—

January .. A-56
February .. A-56
March .. A-58
April .. A-58
May .. A-60
June .. A-60
July .. A-62
August .. A-62
September .. A-64
October .. A-64
November .. A-66
December .. A-66

8. Clouds and their movements .. A-68

9. Duration of Bright Sunshine .. A-74

10. Diurnal variation of magnetic elements .. B-1

11. Declination—

January .. B-4
February .. B-4
March .. B-6
April .. B-6
May .. B-8
June .. B-8
July .. B-10
August .. B-10
September .. B-12
October .. B-12
November .. B-14
December .. B-14

12. Horizontal force—

January .. B-16
February .. B-16
March .. B-18
April .. B-18
May .. B-20
June .. B-20
July .. B-22
August .. B-22
September .. B-24
October .. B-24
November .. B-26
December .. B-26

		PAGE.
13.	Vertical force—	
	January	B-28
	February	B-28
	March	B-30
	April	B-30
	May	B-32
	June	B-32
	July	B-34
	August	B-34
	September	B-36
	October	B-36
	November	B-38
	December	B-38
14.	Magnetic disturbances	B-40
15.	Fourier analysis of the diurnal and annual variations of the horizontal force	B-41
16.	Potential gradient	C-1
17.	Seismic disturbances	D-1
18.	Alibag Observatory Magnetograms	*Plates I to V*

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

INTRODUCTION.

This volume on the magnetic, meteorological and seismographic observations made in the Government Observatories, Bombay and Alibag, during the year 1934, is the fiftysixth volume of its kind issued by the Observatory and extends the records of continuous meteorological and magnetic observations to a period of eightynine years and seismographic observations to a period of thirtysix years. It has been prepared in the same form as the volume for the year 1933. The hourly values of all the important meteorological and magnetic elements have been given and these represent their average values over one hour and not their momentary values at the end of every hour. Columns have been added in this volume giving the daily mean values and the monthly mean hourly values of barometric pressure in milibars and of air temperature in degrees centigrade. As in the previous volume values of potential gradient centred at every sixth hour of Greenwich Mean Time have been given.

The transference of magnetic work from Colaba to Alibag in 1904, due to the city of Bombay having decided to have electric tram service, caused a certain amount of discontinuity in the magnetic records, which had run uninterruptedly then at Colaba for about sixty years, but as comparative observations could be taken at both the stations for a period of two years before the electric tram lines were completed and the service had commenced its operations, the ' discontinuity ' could be calculated and allowed for. The comparative observations show that at Alibag, the horizontal component of magnetic force stands lower by 0·00510 C. G. S. unit of force, easterly declination stands higher by 53′·5 and inclination stands higher by 1° 4′·7 than at Colaba, and these are the finally adopted differences between the two sites. The figures published in this volume, like those in the previous volumes since 1906, have not been corrected for these differences.

The Colaba Observatory is situated almost at the extreme south end of the narrow ridge of land extending about three miles to the south-west of the Fort of Bombay and separating the Harbour from the Back Bay. The level of the Observatory compound is about 32 feet above the mean level of the sea. The regular registration of meteorological observations in the Colaba Observatory commenced in November 1841.

The astronomical co ordinates* giving the position of the Colaba Observatory are :—

Latitude	18° 53′ 36·18″ N.
Longitude	72° 48′ 54·03″ E.

The Alibag Magnetic Observatory is situated on the main land about 18 miles south-south-east of Bombay, and its astronomical co-ordinates are—

Latitude	18° 38′ 17″ N.
Longitude	72° 52′ 21″ E.

For a general description of the buildings and instruments in both the Observatories, see " Magnetical, Meteorological and Seismographic Observations made at the Government Observatories, Bombay and Alibag, 1906—1910," and also the similar volume for 1916—20.

Unless otherwise stated, all times given in this volume refer to local mean time.

Meteorological instruments at Colaba.

1. *Standard Barometer.*—The barometer is by Newman (No. 58) and has been in uninterrupted use since the establishment of the Observatory. It reads on an average 0·004″ below the Kew Standard and 0·012″ below the old Calcutta standard barometer. The height of the barometer is 37 feet above the mean sea-level. A subsidiary standard barometer, Newman No. 48, has also been maintained in the underground constant temperature room, and its reading exceeded that of the standard barometer by 0·001″ on the average during the year.

2. *Barograph.*—The instrument is of the Kew pattern and was installed in the underground constant temperature room in 1872. The variation of pressure is recorded photographically. The barograph has been treated, as in the past, as an independent instrument in respect of the variation of pressure occurring in the course of a day. A comparative study of the differences between the readings of the barograph and of the standard barometer for a large number of years indicates that these differences maintain fairly constant values and do not show variations at different hours of the day. The mean of the excesses of the eye observations of the standard barometer made at 8 hrs. (B. M. T.) and 17 hrs. (I. S. T.) on seven consecutive days over the corresponding barograph tabulations has been applied as a common correction to all the tabulated hourly readings of the day which is the fourth of the seven.

3. *Standard Dry bulb and Wet bulb Thermometers.*—On the 26th November 1917, the freezing points were tested and the zero of the dry bulb standard thermometer No. 401 was

*Magnetic, Meteorological and Seismographic observations made at the Government Observatories, Bombay and Alibag, 1922, p. 1.

found to have changed from 32°·6 to 33°·0 F. These thermometers were again tested on the 3rd February 1926 and their corrections were found to be the same as those determined in 1917. Besides the above, there are eye reading dry bulb, wet bulb, maximum and minimum thermometers installed in a standard Stevenson Screen. The heights of the bulbs of the thermometers above the ground in the two sheds are given below :—

Thermograph Shed ; Dry bulb 10′ ; Wet bulb 10′.
Stevenson Screen ; „ „ 4′ 4½″ ; „ „ 4′ 4″ ; Max. 4′ 11½″ ; Min. 4′ 4″.

For the results of comparative observations of these thermometers see p. 2 of the volume for the year 1924.

4. *Kew Dry bulb and Wet bulb Thermograph.*—The bulbs of these thermograph thermometers are placed close to those of the standard dry and wet bulb thermometers in a large double-louvre shed constructed in 1872, and the variation of temperatures is recorded photographically. The tables of air temperature have been obtained from the tabulations of dry bulb and of humidity from dry and wet bulb thermograms. The mean differences between the readings of the standard dry and wet bulb thermometers described in the preceding para. and the corresponding readings of the thermograms for the year 1934 were +0·2° and +0·1° respectively and were neglected.

5. *Robinson-Beckley's Anemograph.*—This anemograph is of the kind designed by Robinson, with improvements by Robert Beckley and has been in uninterrupted use in the Observatory since 1867, except that a new instrument of the same pattern and by the same makers was installed in 1907 to replace the old one. It is erected on the Anemometer Tower with its cups at a height of 58 feet above the ground and 100 feet above the mean sea-level. The centres of each pair of opposite hemi-spherical cups are four feet apart, and the diameter of each of the cups is 9 inches. The diameter of the vanes of the direction recorder is 15 inches and the breadth of the fans 4 inches.

6. *Dines' Anemograph, 1924 (velocity and direction).*—The old Dines' anemograph which was in continuous operation from 1896 and was provided with velocity recorder only was stopped in December 1929. A new Dines' anemograph provided with both velocity and direction recorders by R. W. Munro and Co. was received in 1923 and installed on the Anemometer Tower in January 1924. With a view to get the best possible exposure, its modern type T-shaped head-vane was placed on the top of a telegraph post, 32·5 feet high, fixed on the Tower at a distance of 3 feet from the cups of the Robinson-Beckley's anemograph. The vane was therefore 27 feet above the level of Robinson-Beckley's cups and 127 feet above the mean sea-level. The diameter of the post near the Beckley's cups is 8 inches and it does not therefore exercise any appreciable influence on the records of Robinson-Beckley. This is due to the fact that in a current of air flowing past a fixed cylindrical obstacle, the stream lines, although they get deformed near the obstacle, assume again very nearly the original configuration at a distance from the obstacle equal to its diameter, and at this distance the velocity of the air current, too, attains almost its original value. The results of a series of comparisons of this instrument with a U-tube pressure-gauge showed that W, the difference in level of water in inches in the two arms of the U-tube, which is a measure of the pressure exerted by the wind, and V, the velocity of the wind in miles per hour as indicated in the charts, practically obey the standard law, namely, $W = \cdot 000731\ V^2$.

The height of the vane of this anemometer is 26 feet above that of the old Dines' anemometer. On account of this greater height, this instrument records a larger velocity of wind, and smaller gustiness; the types of records by the two instruments are however identical. The ratio of the mean wind velocities recorded by the new Dines' anemograph to those recorded by the Beckley's anemograph during 1924—34 is given below for the different months, seasons and the year :—

Ratio of Wind Velocities.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means. October to February.	Means. March to May.	Means. June to September.	Means. Year.
New Dines to Rob. Beckley (1924-34.)	1·44	1·44	1·37	1·37	1·40	1·48	1·70	1·69	1·58	1·50	1·51	1·44	1·46	1·38	1·61	1·49

The hourly values of wind velocity and wind direction tabulated in this volume represent the averages of the Dines' records for periods of sixty minutes, from full hour to full hour of local mean time. The daily mean directions have been derived by converting the hourly velocity into N or S and E or W components and combining the mean components.

The original communicating pipes of the new Dines' Anemograph were replaced on the 10th June 1934 by gas pipes. No records of the new Dine's Anemograph were obtained during the period 24th May to 9th June. The wind data given in this volume during that period are from the Beckleys Anemograph after conversion by the appropriate factors.

7. *Rain-gauge.*—Newman's rain-gauge, which has been in use since 1845, exposes for the collection of rain-drops at a height of four feet above the ground a circular surface of an average diameter of 12·035 inches, forming the tip of the funnel, which opens into a cylindrical vessel below, having a diameter of 5·732 inches. Each division of the graduated rod resting on the float represents ·05 inch of rain and the readings of this scale are easily estimated to one-fifth of a division.

8. *Photographic Rain-gauge.*—This instrument takes a continuous record of rainfall by photographing the head of a mercury column balancing the rainfall collected in a glass vessel, with an arrangement for syphon discharge when full. A full description of this instrument will be found in the introduction to the " Bombay Magnetical and Meteorological Observations, 1877 to 1878 ", page xlvi. For methods of reduction of pluviograph records, reference is made to the introduction to the " Bombay Magnetical, Meteorological and Seismographic Observations, 1916—20 ". The height of the receiving funnel of this instrument is 28 feet above the ground. On account of its greater height, the pluviograph gives a lower value for rainfall than that by Newman.

For comparative study a syphon rain-gauge by L. Casella, London, was installed in the enclosure of the standard Newman rain-gauge on the 12th June 1930, so that the receiving funnels of both were at the same height. It was removed to a separate enclosure on the 28th April 1931 and its receiving funnel was kept at the standard height of 30 inches above the ground surface.

The Photographic rainguage was under repairs during the monsoon period and the rainfall data given in this volume are those of the syphon rain-gauge.

Magnetic Instruments at Alibag.

Variation Instruments.

The horizontal force, vertical force and declination magnetographs in use at Alibag are all by Watson and are mounted on isolated pillars in the magnetograph room. They were maintained in continuous action throughout the year. As explained on pages 1-2 of the Observatory volume for 1927, the sensitiveness of the vertical force magnetograph was increased eight-fold on the 7th August 1927 by introducing certain alterations in the mechanism for adjusting the position of the centre of gravity of the 'balance'. The instrument worked very satisfactorily throughout the year and furnished excellent records of the changes in the vertical force.

A declination magnetograph with high optical magnification (1cm.=3·43 minutes of arc) was constructed locally and installed in the ground floor room of the magnetometer building. It was in continuous action throughout the year. The records furnished by this instrument are identical with those obtained with the Watson declination magnetograph except that the variations are shown in a more conspicuous manner.

The maximum and minimum temperatures in the magnetograph room during 1934 are shown below in degrees Fahrenheit.

1934.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Maximum .	84·5	83·0	85·3	88·4	90·4	91·0	88·0	86·5	87·0	88·4	88·2	85·5	91·0
Minimum .	81·1	81·0	82·6	85·3	88·2	88·0	86·5	84·6	85·4	86·9	85·5	84·1	81·0

Two Eschenhagen variometers, one for horizontal force and the other for vertical force, are also installed in the magnetograph room and are read five times every day. A set of Kew Horizontal Force Magnetometer, Kew Vertical Force Magnetometer and Declination Magnetometer is installed in the ground-floor room of the magnetometer building as auxiliary eye-reading instruments. The eye observations were regularly plotted and were used mainly for a comparative study of the performance of the different instruments. The magnetograms have been used in deducing the tabulated results. The hourly tabulations represent the average values during one hour, centred at the full hours of Greenwich Mean Time.

The scale coefficients of the force magnetographs were obtained every fortnight from deflection observations performed on the instruments with deflectors, at distances

of 100 cm. and 120 cm. in the case of H and at distances of 124·05 cm. and 148·6 cm. in the case of V magnetographs. The usual distribution coefficient $(1+\frac{P}{r^2})$ was introduced in the formula for the computation of scale coefficients. It was found that the mean values of the factor in the case of H. F. magnetograph were for both the distances equal to unity and in the case of V. F. magnetograph 1·09 and 1·06 for the nearer and the longer distances respectively. The value of the scale coefficient adopted for any month is the mean of the mean observed value for that month and those for the preceding and succeeding months.

The following table gives the scale coefficients for 1 cm. ordinate on the photographi paper of the force magnetographs in γ, where as usual, γ =0·00001 C. G. S. unit of force.

Instrument.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
H. F. Magnetograph	45·0	45·0	45·0	44·9	44·8	44·8	45·0	45·0	45·1	45·1	45·2	45·0
V. F. Magnetograph	13·4	13·2	13·1	13·5	13·8	13·5	13·1	12·8	13·0	13·2	13·3	13·2

The scale coefficient of the Watson declination magnetograph for 1 cm. of ordinate is 10′·28.

The temperature coefficient for the horizontal force magnetograph has been determined by heating experiments and its adopted value is ·000036 in C. G. S. unit for 1° Fr. The temperature coefficient of the vertical force magnetograph was found by similar experiments to be negligible as no appreciable change in force, after allowing for the actual diurnal change, could be definitely ascertained as being due to temperature effect. The above conclusions have been checked by an analysis of the observed monthly values of base lines* by means of the formula $B_t=B_m+\alpha(t-m)$, where B_t is the monthly mean value of the base line, uncorrected for temperature but corrected for the slow secular change caused by the loss of magnetic moment and other causes, t the mean temperature during the month, B_m the annual mean of the observed values of the base line, m the annual mean temperature of the magnetograph room, and α the temperature coefficient. Several years' data have been analysed in this manner. The mean value of α for H. F. based on the data for the years 1924-34 is ·000054 in C. G. S. unit for 1° F. The adopted value is thus seen to be smaller by about 34 per cent. than that obtained by this method, but no correction has been introduced in the reduction on account of this difference. For V. F. the value of α appears to be negligible.

Absolute Instruments.

Two magnetometers have been under regular observations during the period for obtaining the absolute values of horizontal force and declination. Magnetometer No. 7 by T. Cooke and Sons, which is the standard instrument at Alibag, is of the ordinary type of Kew pattern instruments but is modified and improved in several important details. The other instrument is Magnetometer No. 3 by the Cambridge Scientific Instrument Company and is of the usual Kew pattern. Instrument No. 7 is observed on the second floor of the magnetometer building, while instrument No. 3 with magnets No. 137 is observed on the first floor and with magnets No. 3 on the second floor. A pair of new magnets No. 7 with their constants determined at the Greenwich Magnetic Observatory (Abinger) was received from Messrs. Cooke, Troughton and Sims, Limited, and observations of Horizontal Force and Declination were taken every twelve weeks with these magnets and magnetometer No. 7 on the second floor throughout the year for comparative purposes. The results show very close agreement with those obtained with the old magnets No. 7.

The value of the correction, $\text{Log}_{10}(1+\frac{P}{r^2}+\frac{Q}{r^4})^{-1}$ used in the reduction of the horizontal force observations was obtained for a given month by taking the mean for seven months including the given month as fourth of the seven. The values of this correction for the different months of the year for the standard instrument at the deflection distance 22·5 cm. were as follows:—

January	.. 9·99320	May	.. 9·99326	September	.. 9·99320
February	.. 9·99321	June	.. 9·99328	October	.. 9·99316
March	.. 9·99323	July	.. 9·99325	November	.. 9·99313
April	.. 9·99326	August	.. 9·99323	December	.. 9·99317

Earth Inductor No. 41 by Schulze of Potsdam and galvanometer No. 200 by Plath are installed on specially constructed pillars in the second floor, while Inductor No. 108 by Otto Toepfer and its galvanometer are installed in the first floor of the magnetometer building. Both these instruments were in regular use.

*Memoirs of the India Meteorogical Department, Vol. XXV, Part VII.

System of observation at Colaba.

From the beginning of 1929, the eye observations of the barometer and thermometers at 10 hrs. and 16 hrs. were stopped but continued to be taken at 8 hrs. An afternoon observation at 17 hrs., Indian Standard Time, was however introduced from the 15th November 1929.

The eye observations at 8 hrs. (local time) and 17 hrs. (Indian Standard Time) were taken in the following order :—

From 5 minutes to the hour to 2 minutes after the hour.	Extent and description of clouds, state of weather occasional phenomena and direction of the wind.
At 2 „ „ „	Thermograph standard thermometer, dry-bulb. Thermograph standard thermometer, wet-bulb.
At 3 „ „ „	Newman's rain-gauge (in wet season).
From 7 to 9 „ „	Newman's standard barometer No. 58 and attached thermometer. Newman's standard barometer No. 48 and attached thermometer (read at 8 hrs. only).
At 10 „ „ „	Thermometer attached to barograph (read at 8 hrs. only).

Observations of the extent and description of clouds, state of weather, occasional phenomena and rainfall (in wet season) were also taken at 6, 10 and 22 hrs. Observations with nephoscope were taken at 8½, 12½ and 16½ hrs. every day. The maximum and minimum thermometers in the Stevenson Screen were read twice daily at 8 hrs. and 16 hrs.

During the monsoon months, Newman's rain-gauge was read daily at midnight in addition to the usual observations and the discharges of the syphon of the self-registering pluviograph were also read as often as required.

A Campbell-Stokes Sunshine recorder was installed on the balloon observation tower and was brought into regular use from August 1925. The sun-shine data given in the volume refer to *local apparent time.*

Observations of magnetic declination were made once every month at Colaba about the 15th of each month. The mean of the differences between the observed absolute values of declination at Colaba and Alibag, from 1906 to 1933, is 52′·8 and this agrees fairly well with the value obtained by the comparative observations taken at the two stations in the years, 1904 and 1905.

Time-supply service.

The electric clock in the Colaba Observatory controlling the drop of the time ball was duly regulated once every day by comparison with the standard sidereal clocks, two Rieflers and one Kullberg. Government chronometers, belonging to the Royal Indian Marine and the Royal Navy, were wound daily or twice a week as required and comparisons with the standard clock were made with sufficient frequency to render the instruments always ready for issue at call with well-determined rates.

Experience during the past few years showed that the time signals broadcasted from Bordeaux, Rugby and Nauen could be received at Bombay almost every day. Further observations of transits of stars were therefore no longer considered necessary. They were accordingly discontinued with effect from the 28th May 1928. The two transit instruments in the Observatory were, however, maintained in a condition such that they could be brought into use any time should the wireless signals fail to be received for any reason. Observations of rhythmic signals broadcasted from Bordeaux and Rugby were taken regularly during the year.

System of observation at Alibag.

Eye observations of the instruments mentioned below were taken daily, Sundays included, shortly before 6, 10, 14, 16 and 22 hrs. at the instants specified against them.

These instants have been chosen so that they may approach as nearly as possible to the full hour of Greenwich Mean Time, which corresponds to 51 mins. of local time.

At 15 minutes to the hour .	Declination Magnetometer and thermometer in the Magnetometer room.
„ 11 „ „ „ .	Eschenhagen's Vertical Force Variometer and attached thermometer.
„ 10 „ „ „ .	Watson's Vertical Force Magnetograph and attached thermometer.
„ 9 „ „ „ .	Watson's Declination Magnetograph.
„ 8 „ „ „ .	Watson's Horizontal Force Magnetograph and attached thermometer.
„ 7 „ „ „ .	Eschenhagen's Horizontal Force Variometer and attached thermometer.
„ 6 „ „ „ .	Thermograph and the standard thermometer in the Magnetograph room (read twice daily at 6 and 16 hrs. only).

Deflection experiments, with vibration magnet of magnetometer No. 137, the moment of which is determined every four weeks as deflector at distances of 100 cm. and 120 cm. on the horizontal force magnetograph and at distances of 124·05 cm. and 148·6 cm. on the vertical force magnetograph were made once every fortnight. Similar deflection experiments with vibration magnet of magnetometer No. 3 as deflector were made once a month for the purpose of check work.

Deflection experiments, with vibration magnet No. 137 as deflector at a distance of 100 cm. on the Eschenhagen's horizontal force variometer, and at a distance of 75 cm. on the Eschenhagen's vertical force variometer, were also made once a fortnight.

Observations of absolute horizontal force were made with the Observatory standard instrument No. 7 and magnets No. 7 (old) on Wednesdays. Observations of absolute horizontal force were also taken with—

(1) the auxiliary magnetometer No. 3 and magnets No. 137 on Mondays every four weeks,
(2) the auxiliary magnetometer No. 3 and magnets No. 3, on Mondays every six weeks and with,
(3) the standard magnetometer No. 7 and magnets No. 7 (new) on Fridays once in twelve weeks.

Observations of absolute declination were made with the standard magnetometer No. 7 and magnet No. 7 (old) on Thursdays. Observations of declination were also taken for comparative study with—

(1) magnetometer No. 3 and magnet No. 137 on Thursday once in eight weeks,
(2) magnetometer No. 3 and magnet No. 3 on Thursday once in six weeks, and
(3) standard magnetometer No. 7 and magnet No. 7 (new) on Thursday once in twelve weeks.

Observations of inclination were made with the Schulze's Inductor, which is the Observatory standard instrument, and another inductor by Otto Toepfer every day in the year with the exception of Sundays and holidays. Each of the two inductor instruments was ordinarily observed on alternate days, but for check work both the instruments were observed one after the other on Saturdays.

Transit observations of stars for the determination of time were made generally on Tuesdays and Fridays in the dry months; during the monsoon months no opportunity was lost of observing the sun or stars whenever visible. The adjustment of the transit instrument was frequently tested by reference to the fixed collimator mark and by level observations; the errors of collimation, level and azimuth were determined once every month except during the monsoon months. A complete observation of all the meteorological elements was taken at Alibag at 8 hrs. (local time) throughout the year.

General Review.

1. *Weather.*—The southwest monsoon rains commenced at Bombay on the 7th June and practically ended on the 28th September. The total rainfall recorded during the year amounted to 73·25″ and was 2·71″ above the normal of 72 years. The mean temperature of the year was 79°·7 which was 0°·4 above the normal. The greatest maximum temperature recorded was 96°·0 on the 19th October and the lowest minimum was 53°·2 on the 31st January. The mean temperature of all the months in the year was within 1° of the normal of the season. The mean velocity of wind during the year was 8·5 miles per hour. The greatest daily mean velocity was 27·9 miles per hour on the 14th June

and the lowest was 3·4 miles per hour on the 3rd June. The greatest mean hourly velocity was 36 miles per hour on the 14th June while the velocity of a single gust of wind as recorded by the New Dines' anemometer reached 59 miles per hour on the 13th June.

2. *Magnetic conditions.*—The mean and the extreme values of the magnetic elements at Alibag during 1933 are given below along with the corresponding values for the previous thirteen years :—

Year.	H						D						V						I
	Mean.	Maximum.		Minimum.		Absolute annual range.	Mean.	Maximum.		Minimum.		Absolute annual range.	Mean.	Maximum.		Minimum.		Absolute annual range.	Mean
		Value.	Date.	Value.	Date.			Value.	Date.	Value.	Date.			Value.	Date.	Value.	Date.		
	γ	γ		γ		γ	′	′		′		′	γ	γ		γ		γ	° ′
1921	36935	37069	13th May.	36381	15th May.	688	15·9 E.	41·9 E.	15th May.	9·5 E.	7th July.	32·4	17227	17320	15th May.	17144	20th Jan.	176	25 0·3
1922	36946	37037	10th Mar.	36777	14th Sept.	260	12·6 E.	18·0 E.	16th Feb.	6·6 E.	31st Aug.	11·4	17293	17351	12th Aug.	17222	5th Apr.	129	25 5·0
1923	36985	37071	27th Nov.	36854	24th Mar.	217	8·9 E.	13·6 E.	26th Jan.	3·6 E.	24th Sept.	10·0	17372	17432	3rd July.	17270	25th Jan.	162	25 9·6
1924	37029	37142	16th Oct.	36854	10th June.	288	5·6 E.	10·5 E.	29th Jan.	0·4 E.	15th Sept.	10·1	17452	17514	26th Dec.	17379	19th Jan.	135	25 14·1
1925	37065	37170	9th Mar.	36899	28th Dec.	271	3·4 E.	8·2 E.	24th May.	2·0 W.	4th Sept.	10·2	17527	17589	25th Dec.	17421	21st Jan.	168	25 18·5
1926	37079	37227	26th Jan.	36755	15th Apr.	472	0·8 E.	9·9 E.	15th Apr.	4·9 W.	24th Aug.	14·8	17590	17654	15th Oct.	17504	4th Jan.	150	25 22·7
1927	37119	37350	22nd Oct.	36802	12th Oct.	548	1·9 W.	6·0 E.	22nd July.	8·6 W.	21st Aug.	14·6	17650	17710	24th Sept.	17565	14th Sept.	145	25 25·9
1928	37152	37463	7th July.	36718	8th July.	745	3·8 W.	11·6 E.	8th July.	9·0 W.	19th Sept.	20·6	17698	17778	28th May.	17608	30th April.	170	25 28·3
1929	37209	37316	11th Aug.	36988	12th Mar.	328	5·9 W.	0·5 W.	16th Apr.	11·1 W.	5th Sept.	10·6	17736	17797	24th Nov.	17655	29th Jan.	142	25 29·1
1930	37253	37378	14th Oct.	37021	16th June.	352	8·0 W.	2·6 W.	31st May.	12·7 W.	25th Aug.	10·1	17777	17836	6th Oct.	17692	12th Jan.	144	25 30·6
1931	37323	37417	17th Oct.	37097	29th Oct.	320	10·5 W.	5·7 W.	15th Apr.	15·8 W.	30th June.	10·1	17806	17869	11th Nov.	17726	20th May.	143	25 30·3
1932	37364	37460	25th Nov.	37223	30th May.	237	12·7 W.	7·0 W.	30th May.	18·1 W.	23rd July.	11·1	17830	17895	5th Nov.	17756	29th April.	139	25 30·6
1933	37408	37486	18th Nov.	37206	1st May	280	14·5 W.	10·3 W.	1st May	18·8 W.	27th July	8·5	17848	17913	16th Dec.	17759	18th May	154	25 30·4
1934	37462	37564	7th Nov.	37314	16th Feb.	250	16·2 W.	12·1 W.	11th May	21·3 W.	9th Sept.	9·2	17867	17914	4th Dec.	17793	25th July	121	25 29·9

The value of H has been steadily increasing since 1916. The increase from 1933 to 1934 is 54γ and is greater than the average rate of increase, namely 43γ, during the last 10 years. Declination diminished during the year at a rate which is nearly the same as that during the last ten years. The vertical force showed, as usual, a gradual increase. but the inclination which was increasing at a gradually decreasing rate during the previous few years and came to a halt during the last year had almost the same value as in the previous year.

The following table gives the character figure assigned to each day according to the international scheme. In accordance with the De Bilt circular letter of 1924, the figures have been deduced from a study of the departure of each day's range from the normal range for the day supplemented by an eye examination of the magnetograms.

Month.	"0" days.	"1" days.	"2" days.	Mean character figure.
1934.				
January . .	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 17, 19, 27	2, 14, 15, 16, 18, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, 31	1	0·58
February .	1, 6, 7, 12, 13, 14, 19,20, 21, 22, 23, 24, 26	2, 3, 4, 5, 8, 10, 11, 15, 17, 18, 25, 27, 28	9, 16	0·61
March . .	1, 3, 8, 12, 13, 14, 15, 17, 18, 19, 20, 27, 30	2, 4, 6, 7, 9, 10, 11, 16, 21, 22, 23, 24, 25, 26,28, 29, 31	5	0·61
April . .	3, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 21, 23, 24, 25, 26, 27, 28, 29, 30	1, 2, 4, 5, 6, 16, 19, 20, 22		0·30
May . . .	1, 6, 7, 8, 9, 10, 13, 14, 15 16, 17, 20, 23, 24, 26, 27, 28 29, 30, 31	2, 3, 4, 5, 11, 12, 19, 21, 22, 25	18	0·39
June . .	1, 2, 3, 7, 9, 10, 13, 14, 15, 17, 19, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30	4, 5, 6, 8, 11, 12, 16, 18, 27		0·30
July . .	1, 2, 5, 6, 7, 8, 9, 10,11, 12, 13, 17, 18, 19, 20, 21, 22, 23, 24, 25. 26, 27 28	4, 14, 15, 16,29, 31	3, 30	0·32
August . .	5, 6, 8, 9, 10, 14, 15, 16, 20, 21, 24, 25	1, 2, 3, 4, 7, 11, 12, 13, 17, 18, 19, 22, 23, 27, 28, 29, 30, 31	26	0·65
September .	5, 6, 7, 8, 9, 10, 13, 14, 15, 18, 21, 22, 23, 29	1, 2, 3, 4, 11, 12, 16, 17, 19, 20, 26, 27, 28, 30	24, 25	0·60
October . .	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 19, 22, 23, 28, 29, 30, 31	6, 7, 20, 21, 25, 26, 27	15, 24	0·35
November .	1, 2, 3, 4, 6, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 30	5, 8, 9, 24, 25	7	0·23
December .	6, 9, 10, 12, 13, 16, 17, 18, 22, 23, 26, 27, 28, 31	1, 2, 3, 4, 5, 7, 8, 11, 14, 15, 19, 20, 21, 24, 25, 30	29	0·55

The annual mean character figure, as assigned by the Observatory, to the year 1934 is 0·46, while that assigned to the year 1933 is 0·56 and to 1932, 0·66. The corresponding De Bilt figures are 0·56, 0·64 and 0·71 respectively. Both the international as well as the local characterisations therefore suggest that the year 1934 as a whole was less disturbed than the previous year. This is what is to be expected, as 1934 was the year with minimum number of sunspots. August was the most active and November the most inactive month in the year.

Absolute observations and Base Line Values.

Declination.

Absolute observations of declination were made once a week on Thursdays with the standard magnetometer No. 7. For comparative purposes, an observation of declination was taken immediately afterwards with the auxiliary magnetometer, No. 3 as already indicated.

Base-line values are derived by converting the ordinates corresponding to absolute observations with instrument No. 7 and magnet No. 7 (old) into angles and subtracting the converted ordinates from the observed absolute declination. The values so obtained of the base-lines of the declination magnetograph denote westerly declination.

The adopted values are derived by taking overlapping means of 5 successive observations and reducing them to the proper epoch, values for intermediate days being obtained by simple interpolation.

Declination base-line values, 1934.

(0° *plus* tabular minutes.)

Date.	Observed.	Adopted.	Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
	′	′		′	′		′	′
January 4 .	67·8 W	68·0 W	May 3 .	67·2 W	67·7 W	September 6 .	67·7 W	67·8 W
„ 11 .	68·3	68·2	„ 10 .	67·4	67·5	„ 13 .	67·6	67·8
„ 18 .	68·2	68·4	„ 17 .	68·0	67·7	„ 20 .	68·0	67·9
„ 25 .	68·7	68·6	„ 24 .	68·0	67·9	„ 27 .	67·7	67·8
February 1 .	68·8	68·6	„ 31 .	68·0	68·0	October 4 .	68·2	67·8
„ 8 .	68·9	68·8	June 7 .	67·9	68·1	„ 11 .	67·6	67·6
„ 15 .	68·5	68·8	„ 14 .	68·1	68·2	„ 18 .	67·7	67·7
„ 22 .	69·2	69·0	„ 21 .	68·2	68·2	„ 25 .	66·9	67·5
March 1 .	68·8	69·0	„ 28 .	68·7	68·2	November 1 .	67·9	67·5
„ 8 .	69·4	69·2	July 5 .	68·1	68·1	„ 9 .	67·6	67·5
„ 15 .	69·2	69·4	„ 12 .	67·8	67·9	„ 15 .	67·5	67·6
„ 22 .	69·4	69·4	„ 19 .	67·6	67·8	„ 22 .	67·5	67·5
„ 29 .	70·1	69·3	„ 26 .	67·5	67·7	„ 29 .	67·4	67·5
April 5 .	69·1	69·3	August 2 .	67·8	67·6	December 6 .	67·4	67·5
„ 12 .	68·8	68·8	„ 9 .	67·9	67·7	„ 13	67·7	67·6
„ 19 .	68·9	68·2	„ 16 .	67·4	67·8	„ 20 .	67·8	67·7
„ 26 .	67·0	67·9	„ 23 .	67·9	67·8	„ 27 .	67·8	67·7
			„ 30	67·9	67·7			

Horizontal Force.

Absolute observations of horizontal force were made every week, on Wednesdays with the standard magnetometer No. 7 and magnets No. 7 (old). Observations with the auxiliary magnetometer No. 3 and magnets No. 3 or No. 137 were taken every six or four weeks on Mondays and also with magnetometer No. 7 and magnets No. 7 (new) on Fridays

once in twelve weeks as already indicated. A day's observations comprise a double set of vibration and deflection experiments at three distances, which for No. 7 are 22·5 cm., 30 cm. and 40 cm. In calculating the base-line values the mean of the observed values at all the three distances has been used.

Base-line values are derived by converting the mean ordinates corresponding to absolute observations with instrument No. 7 in terms of γ and subtracting the converted ordinates from the mean observed absolute horizontal force. They are further reduced to a uniform temperature of 85° F. to make the series comparable from month to month and year to year.

The adopted values are derived by taking overlapping means of 5 successive double sets of observations and reducing them to the proper epoch, values for intermediate days being obtained by simple interpolation.

Horizontal force base-line values at 85° F., 1934.

Date.	Observed.	Adopted.	Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
	γ	γ		γ	γ		γ	γ
January 3 .	37,125	37,127	May 2 .	37,147	37,139	September 5 .	37,128	37,128
„ 10 .	122	123	„ 9 .	139	142	„ 11 .	125	128
„ 17 .	123	123	„ 16 .	137	141	„ 19 .	128	125
„ 24	119	121	„ 23 .	151	139	„ 26 .	121	125
„ 31 .	127	121	„ 30 .	134	137	October 3 .	37,124	37,128
February 7 .	37,113	37,121	June 6 .	37,135	37,135	„ 10 .	129	131
„ 14 .	125	122	„ 13 .	129	131	„ 16 .	136	135
„ 21 .	119	119	„ 20 .	125	130	„ 24 .	145	137
„ 28 .	125	120	„ 27 .	133	130	„ 31 .	141	138
March 7 .	7,115	37,121	July 4 .	37,128	37,129	November 7 .	37,136	37,134
„ 14 .	115	122	„ 11 .	134	129	„ 14 .	134	131
„ 22 .	130	125	„ 18 .	123	127	„ 21 .	117	127
„ 28 .	127	128	„ 25 .	129	129	„ 28 .	127	123
			August 1 .	37,123	37,125			
April 4 .	37,133	37,133	„ 8 .	135	126	December 5 .	37,121	37,123
„ 11 .	136	134	„ 15 .	117	127	„ 12 .	118	126
„ 18 .	137	138	„ 22 .	125	128	„ 19 .	133	126
„ 24 .	135	139	„ 29 .	135	126	„ 26 .	132	127

Vertical Force.

Dip observations with inductors were made every day in the year, with the exception of Sundays and holidays, each of the two instruments being observed on alternate days.

Base-line values are derived by expressing the mean ordinates of V. F. magnetograms corresponding to the inclination observations in terms of γ and subtracting the converted ordinate from the absolute vertical force obtained by multiplying the value of H. F. at the time by the tangent of inclination given by Inductor observations. Values derived from Inductor No. 108 are reduced to those derived from Inductor No. 41 (which is the Observatory standard) by applying the mean correction for the month deduced from the comparative observations taken on Saturdays of every week.

The adopted values are derived by taking overlapping means of 7 successive observations and reducing them to the proper epoch, values for those days not given by this operation being obtained by simple interpolation.

As already remarked the sensitiveness of the instrument increased eight times in consequence of the change introduced on the 7th August 1927 in the mechanism for altering the sensitiveness.

Vertical force base-line values, 1934.

Date.	Observed.	Adopted.	Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
	γ	γ		γ	γ		γ	γ
January 3 .	17,812	17,820	May 2 .	17,783	17,790	September 5 .	17,881	17,863
„ 10 .	820	819	„ 9 .	755	773	„ 11 .	866	861
„ 17 .	—	804	„ 16 .	789	786	„ 19 .	846	855
„ 24 .	795	804	„ 23 .	748	764	„ 26 .	820	828
„ 31 .	786	798	„ 30 .	758	771			
						October 3 .	842	839
February 7 .	807	804	June 6 .	784	784	„ 10 .	843	834
„ 14 .	847	846	„ 13 .	787	790	„ 16 .	812	816
„ 21 .	818	822	„ 20 .	786	799	„ 24 .	784	782
„ 28 .	851	827	„ 27 .	847	820	„ 31 .	791	779
March 7 .	783	796	July 4 .	853	849			
						November 7 .	816	796
„ 14 .	848	822	„ 11 .	874	872	„ 14 .	—	807
„ 22 .	849	844	„ 18 .	856	860	„ 21 .	831	821
„ 28 .	840	844	„ 25 .	896	871	„ 28 .	821	809
			August 1 .	831	819			
April 4 .	833	836	„ 8 .	868	860	December 5 .	769	784
„ 11 .	818	825	„ 15 .	878	889	„ 12 .	819	814
„ 18 .	809	816	„ 22 .	887	887	„ 19 .	799	811
„ 24 .	798	801	„ 29 .	860	860	„ 26 .	837	828

Seismographs.

Two Milne-Shaw Seismographs (N-S and E-W components), were in continuous action in the underground constant temperature room, and both gave excellent records of earthquakes and microseisms during the year. The earthquakes recorded by these instruments will be found tabulated towards the end of the volume. The locally constructed seismograph of the Omori type (N-S and E-W components) was kept in continuous operation during the year as an auxiliary instrument.

Magnetic Storms.

In plates I, II, III, IV and V are reproduced disturbed magnetic records for days recommended for publication by the International Commission of Terrestrial Magnetism. The base-line values and scale co-efficients are shown with each curve. The hourly breaks last for 2 to 3 minutes and the time shown against a break is the time for the middle of the break expressed in Greenwich Mean Time. Increasing ordinates for H. F. and V. F. curves mean increase in force, and for the declination curves decrease in westerly declination.

Atmospheric Electricity.

Observations of the variation in the potential gradient were continued during the year. A photographic electrograph by Cambridge Instrument Co., as described in the Journal of Scientific Instruments, Vol. V, May 1928, pages 145—152, was received in May 1930 and installed on the 13th June 1930 in the old Milne seismograph room. It was removed to a specially constructed room in the open space near the sea coast on the 28th February 1931 and its radium collector was exposed through a hole in the wall at a height of 168 cm. above ground and on undisturbed days at a distance of 40 cm. from the wall. The values of the potential gradient centred at every sixth hour of Greenwich mean time have been given in this volume.

S. C. ROY,
Meteorologist, Bombay.

Colaba Observatory, Bombay,
The 31st October 1935.

Meteorological Tables.

(Colaba Observatory.)

BAROMETRIC PRESSURE, 1934.

JANUARY.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

(IN INCHES OF MERCURY AT 32° F.)

Date.	Hours (B. M. T.).													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·931	29·913	29·905	29·901	29·905	29·909	29·930	29·959	29·988	29·993	29·988	29·956	29·927	29·921
2	·944	·924	·914	·903	·913	·904	·926	·946	·980	·981	·983	·957	·936	·907
3	·923	·909	·900	·884	·891	·886	·909	·925	·956	·962	·967	·939	·914	·897
4	·918	·901	·896	·880	·885	·888	·912	·934	·962	·964	·964	·942	·922	·897
5	·948	·925	·915	·895	·906	·910	·921	·929	·957	·963	·962	·934	·902	·884
6	·895	·880	·868	·849	·854	·851	·874	·891	·919	·910	·907	·877	·840	·817
7	·823	·801	·792	·776	·785	·789	·821	·834	·862	·857	·852	·818	·799	·767
8	·829	·813	·808	·797	·813	·819	·846	·871	·895	·888	·893	·863	·840	·811
9	·856	·844	·842	·830	·840	·850	·873	·891	·920	·924	·920	·898	·861	·831
10	·889	·872	·868	·846	·852	·862	·884	·904	·940	·944	·937	·904	·886	·842
11	·907	·888	·871	·858	·876	·884	·912	·934	·971	·968	·959	·928	·897	·869
12	·935	·913	·905	·895	·910	914	·945	·955	·983	·982	·981	·949	·923	·895
13	·904	·885	·875	·860	·869	·883	·911	·930	·965	·967	·959	·923	·885	·844
14	·894	·881	·880	·869	·881	·884	·908	·925	·962	·967	·969	·944	·915	·871
15	·920	·908	·906	·898	·903	·906	·932	·940	·975	·978	·976	·946	·913	·894
16	·930	·920	·908	·901	·906	·917	·933	·960	·981	·990	·982	·963	·937	·909
17	·919	·913	·897	·888	·886	·888	·897	·915	·934	·945	·929	·918	·883	·850
18	·882	·870	·861	·850	·856	·859	·886	·907	·932	·936	·934	·913	·888	·859
19	·902	·889	·882	·871	·879	·880	·907	·922	·948	·950	·946	·928	·909	·893
20	·937	·921	·916	·901	·906	·913	·942	·964	·999	30·008	30·008	·986	·958	·918
21	·949	·931	·920	·908	·923	·927	·952	·968	30·000	·000	29·987	·950	·926	·882
22	·901	·883	·878	872	·884	·890	·909	·920	29·942	29·948	·950	·925	·903	·862
23	·911	·903	·895	·888	·892	·894	·916	·925	·943	·949	·944	·922	·895	·857
24	·910	·890	·873	·853	·869	·868	·910	·920	·948	·951	·953	·914	·891	·854
25	·925	·906	·896	·876	·885	·894	·922	·939	·976	·983	·985	·966	·938	·920
26	·938	·917	·908	·884	·888	·888	·911	·928	·960	·977	·978	·945	·914	·880
27	·930	·908	·903	·892	·904	·911	·935	·955	·992	30·004	30·009	·980	·944	·908
28	·940	·927	·925	·904	·916	·920	·938	·959	·992	·010	·017	·996	·992	·965
29	·989	·967	·956	·936	·931	·918	·935	·953	·986	29·995	·002	·981	·961	·951
30	·984	·963	·957	·939	·954	·967	·995	30·011	30·048	30·055	·063	30·034	30·018	·984
31	30·009	·985	·978	·962	·974	·983	30·006	·018	·040	·043	·039	·013	29·983	·954
Mean .	29·918	29·902	29·893	29·880	29·888	29·892	29·916	29·933	29·963	29·967	29·966	29·939	29·913	29·884
Variation	+·008	—·008	—·017	—·030	—·022	—·018	+·006	+·023	+·053	+·057	+·056	+·029	+·003	—·026
Mean in milibars.	1013·17	1012·57	1012·30	1011·90	1012·17	1012·27	1013·10	1013·60	1014·70	1014·84	1014·80	1013·80	1013·00	1012·03
Variation in milibars.	+·27	—·33	—·60	—1·00	—·73	—·63	+·20	+·70	+1·80	+1·94	+1·90	+·90	+·10	—·87

FEBRUARY.

1	29·964	29·942	29·930	29·918	29·926	29·935	29·958	29·969	30·003	30·014	30·019	29·985	29·963	29·927
2	·942	·922	·913	·893	·902	·908	·935	·952	·978	29·985	29·981	·951	·926	·905
3	·958	·939	·921	·919	·930	·937	·963	·979	30·007	30·012	30·013	·985	·966	·929
4	·972	·952	·942	·936	·938	·944	·966	·987	·018	·027	·022	·990	·955	·928
5	·935	·911	·904	·889	·905	·911	·945	·963	29·993	·003	·003	·975	·947	·913
6	·967	·955	·941	·933	·938	·937	·963	·984	30·016	·020	·021	·993	·961	·937
7	·978	·961	·955	·948	·958	·960	·989	30·008	·047	·048	·050	30·021	·996	·951
8	·996	·972	·962	·956	·957	·962	·989	·006	·034	·042	·039	·014	·985	·956
9	·952	·928	·920	·908	·908	·916	·944	29·958	29·977	29·983	29·983	29·956	·920	·886
10	·920	·908	·897	·888	·889	·895	·914	·936	·966	·967	·965	·934	·897	·862
11	·910	·892	·887	·869	·885	·889	·915	·931	·957	·955	·949	·915	·889	·852
12	·853	·842	·841	·826	·840	·846	·880	·893	·922	·932	·932	·910	·885	·861
13	·871	·850	·842	·836	·841	·847	·862	·871	·901	·912	·912	·883	·857	·822
14	·848	·833	·822	·814	·824	·832	·855	·870	·902	·908	·902	·871	·842	·822
15	·815	·804	·795	·780	·793	·796	·825	·843	·880	·882	·881	·856	·823	·799
16	·846	·827	814	·799	·809	·816	·852	·872	·897	·900	·898	·876	·847	·824
17	·854	·832	·828	·817	·823	·831	·861	·876	·904	·907	·903	·876	·851	·820
18	·860	·841	·837	·825	·834	·853	·890	·907	·935	·936	·930	·902	·872	·842
19	·886	·864	·854	·843	·854	·862	·889	·901	·931	·938	·936	·909	·886	·848
20	·883	·866	·865	·862	·867	·875	·904	·921	·946	·949	·947	·919	·891	·863
21	·884	·869	·868	·851	·863	·869	·895	·910	·940	·943	·942	·918	·898	·861
22	·878	·872	·858	·847	·852	·860	·883	·896	·922	·928	·925	·901	·876	·853
23	·845	·825	·808	·789	·801	·811	·844	·859	·890	·896	901	·874	·852	·812
24	·822	·802	·790	·779	·786	·804	·831	·851	·878	·885	·878	·859	·844	·811
25	·866	·850	·852	·845	·862	·876	·907	·924	·961	·974	·985	·960	·938	·898
26	·930	·908	·901	·884	·891	·889	·911	·919	·946	·945	·943	·917	·891	·867
27	·845	·825	·822	·808	·812	·815	·838	·849	·876	·877	·871	·852	·833	807
28	·833	·814	·805	·793	·782	·789	·821	·833	·860	·870	·873	·855	·833	·807
Mean .	29·897	29·879	29·871	29·859	29·867	29·874	29·901	29·917	29·946	29·951	29·950	29·923	29·898	29·867
Variation.	+·008	—·010	—·018	—·030	—·022	—·015	+·012	+·026	+·057	+·062	+·061	+·034	+·009	—·022
Mean in milibars.	1012·44	1011·80	1011·53	1011·10	1011·44	1011·63	1012·53	1013·14	1014·10	1014·23	1014·20	1013·30	1012·47	1011·44
Variation in milibars.	+·24	—·40	—·67	—1·10	—·76	—·57	+·33	+·94	+1·90	+2·03	+2·00	+1·10	+·27	—·76

JANUARY. (Averages for periods of sixty minutes from full hour to full hour of local mean time.)

(IN INCHES OF MERCURY AT 32° F.)

Hour (B. M. T.).										Mean.	Mean in milibars	Maximum.		Minimum.		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
												H. M.		H. M.		
29·907	29·888	29·894	29·897	29·924	29·940	29·966	29·970	29·967	29·951	29·935	1013·67	9 15	29·999	15 55	29·885	1
·895	·877	·884	·890	·912	·925	·952	·952	·949	·933	·929	13·50	9 18	·986	16 5	·874	2
·871	·857	·863	·863	·889	·905	·923	·927	·934	·918	·909	12·80	9 40	·971	16 7	·853	3
·883	·880	·885	·886	·913	·932	·952	·953	·956	·944	·919	13·20	9 45	·970	3 40	·876	4
·867	·857	·868	·871	·888	·901	·922	·918	·915	·898	·911	12·93	9 35	·968	15 2	·852	5
·802	·788	·796	·797	·820	·832	·851	·849	·849	·834	·852	10·87	8 50	·923	15 8	·785	6
·749	·741	·754	·759	·789	·807	·831	·836	·846	·833	·805	09.27	8 44	·867	15 8	·739	7
·799	·792	808	·813	·837	·854	·880	·877	·875	·854	·841	10·53	10 10	·899	14 46	·787	8
·809	·809	·818	·820	·858	·878	·902	·906	·908	·892	866	11·40	9 40	·928	15 20	·794	9
·837	·824	·835	·832	·858	·876	·909	·912	·914	·897	·880	11·90	9 40	·942	15 5	·810	10
·854	·847	·856	·861	·888	.907	·938	·943	·951	·940	·904	12·63	9 4	·970	15 52	·844	11
·879	·860	·871	·874	·889	·905	·924	·927	·926	·912	·919	13·20	9 35	·989	15 38	·853	12
·826	·809	·815	·815	·845	·852	·881	·888	·902	·891	·883	12·00	9 4	·973	15 25	·803	13
·863	·851	·865	·875	·897	·906	·934	·937	·939	·924	·906	12·70	9 30	·975	15 40	·847	14
·880	·872	·878	·890	·903	·924	·950	·960	·950	·942	·923	13·30	9 22	·982	16 5	·868	15
·884	·876	·887	·888	·906	·928	·946	·945	·939	·929	928	13·47	9 5	.992	16 2	·868	16
·833	·823	·835	·841	·863	·880	·902	·899	·901	·883	·888	12·17	9 0	·947	15 30	·821	17
·846	·841	·847	·856	·876	·896	·912	·919	·914	·903	885	10·97	9 5	·942	14 50	·838	18
·879	·870	·881	·886	·913	·928	·948	·941	·950	·936	·910	12·90	21 25	·956	3 20	·866	19
·896	·884	·894	·901	·914	·930	·951	·951	·961	·950	·938	13·77	9 55	30·012	15 50	·880	20
·866	·847	·858	·858	·879	·894	·916	·911	·917	907	·920	13·20	8 55	·004	15 45	·844	21
·846	·833	·842	·843	·864	·881	·910	·915	·920	·912	·893	12·30	9 30	29·954	15 50	·828	22
·840	·823	·837	·842	·869	·882	·909	·912	·922	·910	.895	12 37	9 10	·953	15 20	·819	23
·840	·831	·846	·852	·878	·902	·923	·934	·940	·926	·894	12 33	9 40	·966	15 25	·828	24
·898	·876	·882	·878	·898	·918	·944	·947	·950	·935	·922	13·27	9 52	·990	2 55	.868	25
·876	·864	·871	·881	·911	·930	·952	·954	·954	·938	919	13·20	9 35	·988	16 6	·858	26
·885	·867	·872	·876	·901	·917	·944	·948	·946	·938	·928	13·47	10 5	30·014	16 5	·862	27
·955	·947	·960	·964	·988	30·002	30·002	30·001	30·006	·985	967	14·84	10 12	.020	3 30	·900	28
·931	·913	·927	·932	·957	29·973	29·996	29·991	29·998	·985	·961	14·63	10 5	·007	15 28	·905	29
·961	·943	·954	·957	·986	·997	30·020	30·022	30·030	30·016	·994	15·73	10 5	·036	3 30	·934	30
·931	·912	·923	·932	·954	·964	29·984	29·981	20·981	29·963	·980	15·20	9 2	·047	15 57	·909	31
29·868	29·855	29·865	29·869	29·892	29·909	29·931	29·933	29·936	29·922	29·910						Mean.
—·042	—·055	—·045	—·041	—·018	—·001	+·021	+·023	+·026	+·012							Variation.
1011·47	1010·97	1011·37	1011·50	1012·27	1012·80	1013·53	1013·60	1013·70	1013·27		1012·90					Mean in milibars.
—1·43	—1·93	—1·53	—1·40	—·63	—·10	+·63	+·70	+·80	+·37							Variation in milibars

FEBRUARY.

29·907	29·883	29·893	29·905	29·918	29·935	29·952	29·961	29·959	29·944	29·946	1014·10	9 30	30·023	15 57	29·879	1
·892	·882	·895	·901	·929	·942	·969	·972	·975	·961	·934	13·63	9 30	29·991	15 52	·879	2
·919	·909	·917	·917	·943	·960	·989	·985	·986	·975	·957	14·44	9 15	30·017	16 5	·905	3
·913	·892	·904	·910	·938	·953	·981	·979	·977	·953	·957	14·44	9 35	·030	15 20	·888	4
·895	·877	·899	·906	·930	·950	·975	·985	·987	·976	·941	13·93	9 30	·007	15 5	·873	5
·917	·895	·905	·908	·937	·955	·980	·979	·987	·982	·959	14·30	9 40	·025	15 55	·893	6
·928	·903	·910	·925	·958	·978	30·003	30·010	30·013	30·005	·979	15·20	9 40	·052	15 45	·900	7
·937	·921	·926	·916	·932	·943	29·966	29·979	29·975	29·957	·972	14·97	9 5	·046	15 55	·914	8
·862	854	·864	·866	·882	·897	·927	·930	·931	·922	·920	13·20	9 12	29·988	15 55	·850	9
·842	·828	·839	·851	·878	·893	·919	·918	·924	·911	·902	12·57	9 52	·972	15 8	·824	10
·828	·813	·819	·818	·839	·851	·863	·861	·865	·857	·880	11·90	9 25	·961	16 5	·809	11
·837	824	·832	·836	·861	·874	·894	·892	·886	·873	·870	11·50	9 38	·936	15 55	·818	12
·803	·784	·781	·790	·821	·834	·859	·862	·862	·848	·848	10·77	9 30	·917	15 55	·779	13
·793	·772	·774	·776	·801	·815	·834	·829	·831	·815	·833	10·30	9 20	·915	16 45	·771	14
·783	·776	·781	·790	·823	·843	.872	·876	·878	860	·827	10·04	21 50	890	15 55	·772	15
·804	·788	·795	·803	·837	·852	·880	·873	·871	860	·845	10·60	9 28	·904	16 40	·784	16
·807	·792	·795	·797	·824	·845	·865	·866	·877	·866	·847	10·74	9 10	·910	16 58	·788	17
·823	·815	·831	·830	·848	·861	·887	·894	·900	·890	·868	11·47	9 7	·940	15 10	·812	18
·830	·809	·816	·820	·842	·861	·888	·892	·902	·887	·873	11·60	9 12	.942	15 55	·804	19
·841	·825	·829	·831	·856	·862	·893	·892	·898	·885	·882	11·97	9 35	·953	16 20	·821	20
·843	·830	·830	·828	·851	·863	·885	·886	·886	·879	·879	11·80	9 22	·947	16 7	823	21
·832	·818	·822	·824	·840	·848	·873	·869	·872	·857	·867	11·44	9 30	·932	16 5	.814	22
·791	·774	·780	·784	·814	·827	·843	·841	·840	·826	·830	10·20	9 55	·910	16 8	·770	23
·805	·800	·806	·810	·834	·847	·868	·872	·874	·868	·833	10·30	9 5	·889	4 5	·776	24
·883	·871	·873	·872	·900	·926	·941	·936	·941	934	907	12·74	10 8	·997	3 58	·840	25
·844	822	·832	·829	·847	·856	·870	·865	·866	·852	·884	12 03	9 40	·951	15 54	·817	26
·792	·779	·782	·786	·805	·823	·846	·851	·850	·839	·828	10 07	8 52	·879	15 48	·773	27
·789	·771	·786	·798	·828	843	·867	·870	·880	·871	·828	10 07	21 50	·890	15 8	·767	28
29·848	29·832	29·840	29·844	29·868	29·883	29·907	29·908	29·910	29·898	29·889						Mean.
—·041	—·057	—·049	—·045	—·021	—·006	+·018	+·019	+·021	+·009							Variation.
1010·77	1010·27	1010·50	1010·63	1011·47	1012·00	1012·74	1012·77	1012 90	1012·47		1012·20					Mean in milibars
—1·43	—1 93	—1·70	—1·57	—·73	—·20	+·54	+·57	+·70	+·27							Variation in milibars.

MARCH. (Averages for periods of sixty minutes from full hour to full hour of local mean time.)

(IN INCHES OF MERCURY AT 32° F.)

Date.	Hours (B. M. T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·877	29·867	29·866	29·859	29·877	29·888	29·915	29·929	29·965	29·965	29·973	29·949	29·927	29·899
2	·937	·919	·911	·904	·907	·918	·948	·968	**·996**	·994	·994	·969	·943	·923
3	·925	·905	·891	·873	·891	·905	·933	·946	·972	·978	·980	·957	·938	·903
4	·874	·854	·856	·843	·853	·856	·884	·905	·934	·936	·928	·899	·868	·852
5	·855	·837	·833	·819	·835	·845	·871	·882	·921	·930	·922	·899	·883	·849
6	·896	·884	·876	·870	·876	·881	·912	·924	·954	·952	·955	·931	·904	·881
7	·911	·890	·885	·877	·895	·907	·935	·952	·986	·989	·985	·955	·928	·895
8	·906	·896	·886	·882	·906	·915	·938	·954	·976	·972	·968	·940	·914	·888
9	·877	·863	·860	·842	·854	·866	·902	·915	·944	·941	·939	·908	·875	·838
10	·833	·818	·817	·811	·822	·831	·860	·879	·904	·904	·912	·886	·853	·830
11	·866	·852	·842	·827	·848	·854	·882	·896	·920	·918	·919	·890	·864	·834
12	·852	·828	·818	·807	·814	·827	·859	·878	·902	·900	·899	·875	·852	·834
13	·830	·805	·798	·780	·798	·808	·831	·847	·876	·884	·896	·878	·858	·826
14	·840	·822	·812	·804	·820	·831	·868	·886	·910	·916	·916	·893	·848	·830
15	·849	·830	·826	·814	·829	·834	·858	·873	·896	·894	·894	·864	·825	·785
16	·825	·803	·790	·784	·791	·801	·833	·850	·871	·870	·877	·855	·835	·827
17	·831	·812	·813	·799	·803	·812	·837	·855	·890	·895	·900	·883	·869	·843
18	·862	·829	·819	·812	·823	·828	·855	·864	·881	·891	·891	·865	·845	·819
19	·854	·836	·830	·829	·837	·849	·875	·899	·917	·915	·914	·897	·873	·835
20	·868	·842	·837	·827	·836	·844	·877	·893	·917	·919	·919	·894	·862	·832
21	·859	·835	·829	·818	·825	·834	·858	·876	·897	·895	·899	·875	·851	·820
22	·843	·821	·802	·773	·779	·782	·803	·813	·831	·821	·822	·791	·765	·747
23	·767	·750	·743	·734	·753	·760	·786	·798	·820	·814	·810	·788	·771	·746
24	·810	·795	·789	·782	·795	·806	·834	·849	·874	·878	·874	·849	·819	·793
25	·826	·805	·792	·788	·795	·807	·844	·854	·885	·884	·879	·842	·815	·778
26	·785	·760	·746	·735	·755	·767	·802	·824	·844	·839	·838	·812	·782	·767
27	·750	·725	·723	·716	·720	·723	·746	·768	·796	·800	·796	·771	·741	·703
28	·731	·711	·702	·697	·709	·718	·756	·773	·808	·806	·810	·789	·760	·737
29	·774	·760	·754	·744	·764	·772	·796	·812	·846	·850	·860	·843	·824	·788
30	·793	·773	·757	·745	·759	·769	·793	·809	·829	·825	·831	·811	·797	·765
31	·791	·776	·756	·735	·754	·753	·778	·793	·812	·812	·818	·797	·784	·758
Mean .	29·842	29·823	29·815	29·804	29·817	29·826	29·854	29·870	29·896	29·896	**29·897**	29·873	29·848	29·820
Variation	+·007	—·012	—·020	—·031	—·018	—·009	+·019	+·035	+·061	+·061	**+·062**	+·048	+·013	—·015
Mean in milibar.	1010·57	1009·90	1009·67	1009·23	1009·74	1010·00	1010·93	1011·50	1012·40	1012·40	**1012·44**	1011·60	1010·77	1009·80
Variation in milibar.	+·20	—·47	—·70	—1·14	—·63	—·37	+·56	+1·13	+2·03	+2·03	**+2·07**	+1·23	+·40	—·57

APRIL.

1	29·784	29·771	29·754	29·737	29·745	29·759	29·787	29·805	29·831	29·840	29·847	29·831	29·810	29·788
2	·803	·781	·768	·752	·756	·763	·786	·818	·844	·852	·850	·833	·809	·778
3	·765	·752	·743	·730	·744	·756	·782	·804	·836	·842	·841	·823	·803	·775
4	·761	·739	727	·712	·727	·731	·763	·779	·810	·808	·807	·791	·770	·742
5	·783	·777	·775	·771	·791	·802	·828	·853	·8·7	·881	·880	·852	·820	·793
6	·806	·799	·793	·786	·812	·824	·839	·868	·896	·896	·893	·866	·843	·795
7	·827	·803	·790	·779	·791	·804	·823	·831	·840	·837	·837	·807	·778	·755
8	·775	·763	·753	·735	·746	·764	·793	·816	·834	·833	·835	·823	·804	·759
9	·830	·820	·814	·799	·805	·809	·840	·855	·889	·888	·886	·864	·836	·812
10	·838	·824	·817	·807	·800	·802	·831	·846	·865	·860	·861	·842	·812	·778
11	·782	·766	·762	·743	·757	·761	·791	·816	·838	·832	·829	·809	·783	·758
12	·771	·751	·748	·744	·759	·772	·797	·819	·847	·848	·853	·832	·813	·781
13	·800	·790	·773	·761	·779	·797	·828	·861	·893	·899	**·906**	·889	·868	·842
14	·821	·799	·787	·772	·783	·788	·816	·832	·842	·839	·834	·812	·784	·752
15	·820	·811	·809	·803	·801	·800	·813	·813	·847	·848	·846	·826	·810	·783
16	·798	·775	·759	·749	·761	·768	·795	·812	·830	·827	825	·815	·792	·767
17	·802	·790	·789	·787	·794	·796	·817	·832	·831	·835	·828	·803	·787	·769
18	·777	·758	·759	·752	·772	·778	·802	·830	·846	·847	·852	·827	·810	·779
19	·776	·749	·753	·752	·766	·765	·785	·805	·816	·815	·823	·801	·775	·760
20	·771	·766	·763	·757	·747	·773	·799	·815	·833	·837	·833	·825	·803	·763
21	·782	·770	·764	·764	·768	·782	·818	·842	·870	·870	·864	·847	·830	·801
22	·802	·800	·796	·807	·806	·818	·838	·851	·864	·864	·870	·856	·848	·822
23	·822	·801	·781	·781	·792	·800	·825	·844	·872	·878	·873	·849	·828	·807
24	·799	·770	·770	·756	·773	·787	·818	·830	·854	·845	·843	·831	·815	·784
25	·814	·789	·779	·774	·783	·798	·817	·832	·844	·854	·854	·832	·803	·789
26	·777	·746	·736	·730	·745	·760	·788	·808	·820	·820	·826	·809	·790	·758
27	·773	·747	·733	·727	·741	·749	·778	·795	·812	·813	·811	·791	·776	·736
28	·774	·748	·742	·728	·744	·742	·773	·791	·816	·812	·817	·799	·779	·745
29	·780	·763	·750	·731	·733	·747	·774	·804	·831	·829	·825	·811	·787	·773
30	·785	·762	.751	·746	·754	·762	·788	·808	·838	·850	·850	·839	·817	·788
Mean .	29·793	29·776	29·768	29·759	29·769	29·790	29·804	29·824	29·846	**29·847**	29.847	29·835	29·806	29·778
Variation.	+·005	—·012	—·020	—·029	—·019	+·002	+·016	+·036	+·058	**+·059**	+·059	+·047	+·018	—·010
Mean in milibar.	1008·90	1008·30	1008·07	1007·80	1008·10	1008·80	1009·23	1009·93	1010·70	**1010·74**	1010·74	1010·37	1009·30	1008·37
Variation in milibar.	+·13	—·47	—·70	—·97	—·67	+·03	+·46	+1·16	+1·93	**+1·97**	+1·97	+1·60	+·53	—·40

MARCH. (Averages for periods of sixty minutes from full hour to full hour of local mean time.)

(IN INCHES OF MERCURY AT 32°F.)

Hours. (B. M. T.).										Mean.	Mean in Milibars	Maximum.		Minimum.		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
												H. M.		H. M.		
29·883	29·867	29·875	29·875	29·899	29·914	29·941	29·951	29·951	29·945	29·911	1012·93	9 5	29·977	2 15	29·855	1
·897	·885	·889	·887	·900	·909	·933	·933	·936	·924	**·930**	**13·50**	9 10	**·997**	16 22	·881	2
·878	·857	·862	·861	·876	·876	·895	·894	·903	·884	·908	12·77	9 8	·984	15 50	·852	3
·828	·814	·814	·816	·832	·845	·868	·868	·874	·858	·865	11·37	9 5	·942	15 57	·808	4
·839	·828	·840	·844	·869	·879	·896	·895	·895	·900	·869	11·50	9 30	·933	15 40	·823	5
·862	·847	·858	·861	·883	·894	·913	·913	·926	·916	·899	12·50	10 5	·960	15 25	·842	6
·870	·854	·858	·863	·887	·897	·916	·921	·923	·913	·912	12·97	9 25	·993	16 30	·849	7
·850	·832	·838	·842	·866	·876	·896	·896	·902	·886	·961	12·53	8 50	·982	16 10	·828	8
·815	·796	·801	·797	·819	·831	·853	·849	·848	·839	·861	11·23	9 53	·947	15 52	·791	9
·809	·791	·799	·802	·824	·833	·857	·861	·869	·863	·845	10·67	9 40	·917	15 40	·787	10
·811	·792	·803	·804	·821	·833	·861	·863	·865	·856	·855	10·97	8 45	·924	16 8	·788	11
·809	·790	·799	·788	·806	·820	·840	·841	·846	·844	·838	10·47	8 52	·904	16 6	·786	12
·806	·795	·801	·806	·824	·830	·844	·837	·847	·844	·831	10·23	10 15	·90	3 5	·774	13
·803	·783	·788	·786	·807	·814	·834	·846	·861	·851	·840	10·50	9 38	·920	15 55	·778	14
·779	·764	·771	·770	·793	·802	·827	·835	·837	·826	·828	10·07	9 28	·899	15 5	·759	15
·788	·777	·779	·782	·796	·801	·829	·833	·847	·835	·820	09·80	10 6	·879	16 5	·773	16
·825	·805	·797	·795	·815	·829	·870	·876	·885	·872	·842	10·57	10 10	·903	4 30	·791	17
·799	·780	·780	·792	·829	·834	·857	·871	·870	·858	·840	10·20	9 25	·897	15 55	·773	18
·807	·783	·786	·789	·815	·840	·864	·868	·875	·868	·852	10·87	9 20	·920	15 25	·778	19
·813	·791	·794	·798	·821	·833	·866	·868	·878	·863	·854	10·93	9 25	·924	16 2	·788	20
·802	·781	·782	·788	·812	·826	·850	·858	·869	·854	·841	10·53	8 52	·904	15 55	·774	21
·726	·707	·713	·714	·740	·750	·775	·777	·783	·769	·777	08·34	8 52	·836	16 4	·702	22
·727	·708	·712	·710	·743	·766	·802	·816	·818	·812	·769	08·10	8 57	·825	15 55	·703	23
·771	·758	·761	·760	·779	·792	·821	·827	·839	·831	·812	09·57	9 25	·885	16 40	·749	24
·756	·738	·748	·741	·760	·782	·809	·812	·814	·797	·806	09·30	8 57	·896	15 55	·732	25
·736	·713	·718	·722	·744	·752	·772	·780	·778	·759	·772	08·17	9 5	·848	16 5	·710	26
·689	·664	**·663**	·665	·688	·702	·727	·731	·741	·735	**·728**	**06·67**	9 15	·808	16 15	**·656**	27
·710	·684	·692	·690	·708	·727	·754	·764	·784	·776	·741	07·13	10 0	·818	16 5	·682	28
·773	·750	·748	·750	·770	·780	·802	·804	·810	·798	·791	08·82	10 8	·864	3 20	·740	29
·739	·721	·721	·724	·748	·761	·788	·801	·807	·796	·778	08·37	10 10	·835	16 25	·717	30
·738	·725	·721	·722	·748	·768	·772	·786	·798	·795	·770	08·10	10 5	·820	16 50	·718	31
29·798	**29·780**	29·784	29·785	29·807	29·819	29·843	29·848	29·854	29·844	29·835						Mean.
—·037	**—·055**	—·051	—·050	—·028	—·016	+·008	+·013	+·019	+·009							Variation.
1009·07	**1008·50**	1008·63	1008·67	1009·34	1009·80	1010·60	1010·77	1010·93	1010·63		1010·37					Mean in millibar.
—1·30	**—1·87**	—1·74	—1·70	—·103	—·57	+·23	+·40	+·56	+·26							Variation in millibar.

APRIL.

29·764	29·738	29·742	29·742	29·761	29·777	29·798	29·811	29·817	29·812	29·785	1008·27	9 52	29·851	3 52	29·733	1
·749	·718	·720	·714	·720	·733	·761	·773	·786	·773	·777	08·34	9 35	·857	17 10	·709	2
·745	·721	·712	·719	·729	·744	·766	·771	·783	·773	·769	08·11	10 5	·846	16 25	·706	3
·726	·700	·708	·710	·747	·762	·784	·788	·800	·786	·757	07·74	9 8	·814	16 10	·699	4
·769	·748	·748	·753	·779	·788	·814	·823	·833	·813	·807	09·34	9 10	·891	16 10	·743	5
·774	·745	·757	·768	·791	·794	·822	·831	·838	·823	·819	09·81	8 40	·903	15 30	·741	6
·735	·716	·717	·721	·747	·759	·772	·767	·787	·772	·783	08·60	8 25	·844	15 48	·712	7
·746	·726	·728	·735	·763	·778	·804	·821	·819	·825	·782	08·57	9 20	·839	16 30	·721	8
·795	·768	·767	·775	·801	·806	·828	·830	·835	·833	·824	09·93	9 5	·892	16 35	·764	9
·761	·734	·722	·715	·746	·761	·783	·786	·793	·785	·799	09·10	8 40	·870	17 20	·712	10
·741	·728	·718	·717	·739	·751	·775	·776	·784	·776	·773	08·20	8 42	·811	16 40	·713	11
·777	·750	·742	·748	·777	·780	·798	·809	·819	·808	·789	08·80	9 30	·856	16 10	·738	12
·816	·791	·787	·791	·806	·818	·831	·835	·843	·831	**·826**	**10·00**	9 37	**·913**	3 10	·757	13
·727	·704	·702	·701	·722	·733	·766	·800	·827	·824	·782	08·57	8 52	·846	16 5	·698	14
·757	·739	·728	·734	·767	·790	·807	·814	·816	·806	·799	09·10	9 15	·852	16 35	·724	15
·745	·735	·738	·745	·771	·774	·796	·804	·809	·797	·783	08·60	8 52	·833	16 10	·731	16
·749	·720	·724	·733	·755	·763	·785	·787	·799	·783	·786	08·70	8 28	·853	15 55	·715	17
·764	·736	·729	·722	·747	·762	·780	·783	·793	·779	·783	08·60	10 10	·855	16 50	·711	18
·732	·708	·703	·711	·742	·780	·793	·794	·783	·779	·769	08·10	10 11	·829	16 56	**·689**	19
·745	·732	·731	·739	·753	·763	·781	·811	·809	·799	·781	08·53	9 20	·841	16 38	·717	20
·770	·742	·737	·742	·753	·776	·796	·813	·816	·814	·797	09·04	9 0	·876	16 35	·734	21
·798	·778	·781	·783	·799	·810	·829	·831	·835	·828	·821	09·83	9 55	·872	15 50	·774	22
·792	·776	·771	·770	·786	·793	·810	·811	·806	·803	·811	09 53	9 35	·881	16 32	·765	23
·772	·755	·762	·765	·788	·799	·818	·826	·839	·825	·801	09·13	8 45	·856	3 5	·750	24
·764	·739	·731	·730	·760	·783	·806	·809	·813	·796	·796	09·00	9 54	·860	16 20	·724	25
·738	·718	·718	·720	·738	·751	·778	·783	·791	·779	·768	08·07	9 22	·832	16 50	·714	26
·722	·700	**·694**	·696	·721	·737	·756	·771	·782	·777	**·756**	**07·70**	9 35	·819	16 10	·691	27
·729	·705	·707	·711	·743	·752	·774	·778	·794	·784	·762	07·87	8 35	·822	15 50	·702	28
·747	·726	·728	·729	·746	·762	·789	·799	·805	·794	·773	08·20	9 12	·834	15 25	·722	29
·768	·748	·747	·759	·782	·799	·818	·831	·851	·838	·795	08·97	10 34	·855	3 52	·741	30
29·757	29·735	**29·733**	29·737	29·759	29·773	29·794	29·802	29·810	29·801	29·788						Mean.
—·031	—·053	**—·055**	—·051	—·029	—·015	+·006	+·014	+·022	+·013							Variation.
1007·74	1006·97	**1006·90**	1007·04	1007·80	1008·20	1008·93	1009·17	1009·50	1009·13		1008·77					Mean in millibar.
—1·03	—1·80	**—1·87**	—1·73	—·97	—·57	+·16	+·40	+·73	+·36							Variation in millibar.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MAY. (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours (B. M. T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·836	29·820	29·816	29·822	29·838	29·846	29·868	29·892	29·913	29·922	**29·924**	29·913	29·887	29·863
2	·873	·854	·845	·839	·842	·842	·864	·867	·881	·869	·877	·867	·845	·818
3	·814	·798	·787	·778	·785	·796	·821	·839	·861	·862	·860	·846	·825	·813
4	·794	·772	·762	·751	·771	·783	·811	·824	·840	·836	·841	·832	·819	·782
5	·794	·770	·760	·762	·771	·783	·803	·821	·843	·842	·843	·831	·815	·799
6	·793	·776	·766	·757	·781	·796	·827	·844	·868	·864	·865	·850	·833	·793
7	·809	·794	·782	·784	·791	·804	·826	·846	·868	·872	·872	·853	·833	·818
8	·834	·816	·812	·807	·819	·820	·849	·866	·892	·894	·899	·892	·883	·852
9	·844	·822	·824	·814	·822	·833	·859	·873	·894	·890	·891	·872	·851	·831
10	·837	·812	·803	·783	·793	·798	·822	·842	·863	·860	·871	·856	·847	·814
11	·812	·812	·799	·790	·810	·821	·842	·851	·866	·861	·866	·862	·847	·832
12	·805	·785	·788	·770	·795	·806	·821	·856	·876	·874	·880	·859	·839	·799
13	·830	·822	·818	·801	·814	·827	·852	·861	·886	·889	·898	·879	·848	·832
14	·855	·834	·830	·817	·821	·836	·861	·873	·889	·885	·884	·865	·851	·830
15	·851	·856	·842	·820	·831	·830	·845	·866	·874	·876	·872	·847	·826	·806
16	·816	·805	·812	·796	·799	·804	·832	·847	·872	·874	·875	·862	·850	·822
17	·811	·789	·784	·783	·801	·819	·845	·859	·877	·881	·891	·879	·864	·850
18	·829	·805	·805	·794	·804	·815	·844	·858	·871	·873	·877	·856	·845	·818
19	·786	·760	·754	·750	·767	·782	·812	·819	·836	·839	·841	·828	·815	·803
20	·773	·747	·742	·726	·737	·749	·785	·806	·822	·827	·823	·806	·803	·779
21	·802	·780	·774	·768	·788	·799	·825	·826	·841	·840	·842	·826	·808	·790
22	·790	·762	·752	·757	·764	·764	·786	·791	·804	·801	·803	·790	·780	·757
23	·780	·746	·740	·734	·752	·760	·780	·784	·792	·790	·789	·763	·744	·730
24	·733	·713	·718	·712	·727	·737	·769	·783	·799	·795	·795	·773	·761	·729
25	·737	·720	·714	·716	·728	·745	·783	·794	·811	·821	·816	·801	·792	·786
26	·764	·739	·734	·717	·732	·740	·771	·781	·793	·791	·797	·791	·780	·758
27	·762	·739	·738	·729	·733	·736	·770	·778	·794	·791	·794	·784	·774	·761
28	·742	·720	·723	·715	·725	·740	·767	·776	·796	·807	·815	·799	·791	·765
29	·747	·730	·728	·728	·739	·756	·792	·804	·828	·828	·826	·816	·801	·791
30	·764	·744	·741	·736	·743	·747	·775	·782	·800	·795	·787	·771	·761	·733
31	·767	·760	·762	·759	·776	·788	·820	·823	·846	·844	·843	·823	·809	·795
Mean .	29·800	29·781	29·776	29·768	29·781	29·790	29·817	29·830	29·848	29·848	**29·850**	29·835	29·820	29·728
Variation.	—·001	—·020	—·025	—·033	—·020	—·011	+·016	+·029	+·047	+·047	**+·049**	+·034	+0·19	—·003
Mean in milibars.	1009·10	1008·53	1008·30	1008·07	1008·53	1008·80	1009·74	1010·20	1010·77	1010·77	**1010·80**	1010·37	1009·80	1009·07
Variation in milibars.	—·13	—·60	—·83	—1·06	—·60	—·33	+·61	+1·07	+1·64	+1·64	**+1·67**	+·124	+·67	—·06

JUNE.

1	29·842	29·824	29·820	29·813	29·815	29·813	29·836	29·840	**29·852**	29·842	29·845	29·827	29·809	29·775
2	·765	·757	·752	·744	·755	·766	·784	·794	·812	·804	·806	·791	·773	·766
3	·745	·728	·721	·720	·724	·733	·755	·785	·786	·797	·785	·767	·747	·729
4	·738	·734	·738	·742	·751	·764	·782	·801	·820	·820	·822	·812	·800	·778
5	·801	·780	·772	·764	·765	·778	·792	·810	·815	·810	·812	·800	·788	·764
6	·786	·761	·745	·743	·749	·742	·775	·793	·811	·804	·815	·800	·791	·778
7	·757	·734	·734	·719	·738	·745	·771	·785	·796	·797	·801	·789	·777	·753
8	·777	·769	·750	·741	·779	·791	·807	·809	·824	·809	·796	·773	·755	·719
9	·734	·689	·679	·679	·690	·697	·729	·733	·741	·737	·735	·718	·701	·661
10	·685	·685	·711	·729	·735	·712	·709	·705	·689	·696	·695	·677	·655	·639
11	·654	·634	·631	·619	·625	·635	·672	·688	·709	·680	·663	·648	·641	·624
12	·636	·614	·602	·600	·626	·620	·630	·616	·625	·622	·630	·617	·600	·588
13	·591	·570	·573	·560	·572	·570	·593	·593	·615	·613	·616	·584	·564	·526
14	·552	·539	·525	·506	·508	·504	·534	·541	·569	·563	·569	·558	·556	·542
15	·591	·564	·556	·539	·554	·562	·596	·600	·619	·614	·626	·616	·628	·591
16	·638	·619	·610	·596	·602	·612	·634	·638	·641	·645	·646	·648	·661	·668
17	·647	·627	·619	·620	·630	·639	·670	·664	·668	·670	·698	·692	·686	·667
18	·622	·619	·611	·608	·609	·612	·636	·638	·658	·657	·665	·651	·643	·629
19	·638	·609	·608	·599	·597	·609	·635	·642	·664	·670	·681	·668	·669	·647
20	·650	·635	·625	·615	·633	·627	·639	·647	·661	·758	·677	·659	·649	·629
21	·645	·621	·608	·600	·606	·604	·615	·628	·656	·660	·677	·660	·662	·626
22	·602	·586	·570	·547	·564	·576	·603	·617	·649	·637	·642	·620	·622	·598
23	·589	·562	·568	·563	·574	·577	·600	·607	·621	·629	·640	·625	·629	·613
24	·599	·583	·572	·561	·570	·673	·598	·599	·615	·616	·622	·608	·593	·571
25	·576	·554	·546	·550	·559	·561	·578	·589	·598	·596	·605	·592	·590	·565
26	·575	·545	·545	·535	·545	·553	·572	·579	·599	·599	·603	·593	·587	·565
27	·540	·540	·539	·536	·548	·556	·582	·576	·598	·599	·608	·596	·595	·574
28	·601	·584	·590	·582	·590	·592	·616	·627	·640	·639	·644	·636	·619	·607
29	·649	·632	·624	·612	·608	·612	·636	·648	·660	·663	·673	·668	·675	·656
30	·678	·653	·649	·633	·638	·640	·656	·668	·686	·684	·694	·686	·572	·661
Mean .	29·663	29·644	29·640	29·633	29·642	29·646	29·668	29·675	29·690	29·688	**29·693**	29·679	29·671	29·651
Variation.	+·008	—·011	—·015	—·022	—·013	—·009	+·013	+·020	+·035	+·033	**+·038**	+·024	+·016	—·004
Mean in milibars.	1004·51	1003·83	1003·70	1003·50	1003·77	1003·90	1004·67	1004·87	1005·40	1005·37	**1005·50**	1005·01	1004·73	1004·13
Variation in milibars.	+·23	—·44	—·57	—·77	—·50	—·37	+·40	+·60	+1·13	+1·10	**+1·23**	+·74	+·46	—·14

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MAY. (IN INCHES OF MERCURY AT 32° F.)

Hours (B. M. T.)										Mean.	Mean in milibar.	Maximum.		Minimum		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
												H. M.		H. M		
29·849	29·829	29·828	29·824	29·846	29·863	29·885	29·889	29·893	29·885	29·865	1011·37	9 52	29·930	2 25	29·812	1
·795	·770	·766	·764	·776	·790	·818	·825	·833	·830	·831	10·23	8 48	·884	15 55	·754	2
·795	·778	·783	·779	·790	·801	·819	·814	·817	·807	·811	09 53	9 20	·866	4 10	·774	3
·766	·744	·748	·755	·771	·783	·798	·809	·808	·800	·791	08·83	10 25	·845	15 55	·739	4
·772	·755	·747	·747	·769	·722	·787	·796	·792	·794	·790	08·80	9 0	·847	16 50	·743	5
·773	·748	·748	·756	·782	·803	·819	·829	·835	·824	·805	09·27	9 2	·872	15 55	·742	6
·788	·771	·766	·774	·797	·812	·844	·849	·862	·845	·819	09·81	9 5	·876	16 50	·764	7
·842	·823	·831	·830	·853	·859	·876	·879	·883	·862	·853	10·90	9 25	·902	2 25	·802	8
·809	·784	·789	·797	·814	·810	·833	·843	·853	·839	·837	10·44	9 5	·897	15 40	·779	9
·807	·793	·789	·793	·811	·813	·834	·843	·859	·849	·825	09·97	10 18	·874	3 35	·780	10
·810	·794	·788	·786	·804	·807	828	·832	·837	·820	·825	09·97	11 12	·868	16 25	·784	11
·777	·757	·747	·751	·763	·775	·799	·815	·828	·813	·807	09·34	9 22	·883	16 35	·744	12
·811	·785	·780	·789	·802	·809	·835	·839	·857	·849	·834	1··33	10 15	·899	16 40	·777	13
·801	·771	·768	·776	·799	·805	·829	·841	·845	·841	·834	10·33	8 58	·893	15 50	·763	14
·788	·761	·763	·765	·763	·787	·809	·818	·826	·814	·822	09·37	9 50	·879	14 15	·759	15
·812	·789	·775	·762	·781	·789	·804	·808	·824	·816	·818	09·77	9 20	·878	16 35	·758	16
·838	·815	·809	·799	·811	·817	·843	·848	·856	·841	·834	10·33	10 35	·895	2 20	·779	17
·807	·785	·774	·773	·786	·785	·797	·793	·806	·793	·816	09·70	9 20	·879	16 35	·769	18
·785	·763	·756	·758	·763	·767	·781	·785	·791	·785	·789	08·81	9 40	·844	2 8	·746	19
·772	·753	·767	·772	·794	·801	·818	·820	·834	·816	·786	08·70	22 32	·838	3 35	·722	20
·771	·748	·751	·752	·772	·787	·801	·804	·811	·801	·796	09·00	9 46	·846	16 6	·746	21
·743	·738	·732	·734	·760	·772	·794	·799	·812	·792	·774	08·23	22 18	·816	16 25	·728	22
·711	**·686**	·686	·690	·712	·725	·744	·746	·756	·744	·745	07·27	9 38	·794	16 16	**·682**	23
·720	·698	·703	·702	·728	·747	·769	·763	·763	·745	**·745**	**07·27**	8 58	·803	15 45	·695	24
·761	·744	·748	·748	·768	·783	·803	·799	·800	·784	·771	08·13	9 20	·825	2 6	·711	25
·749	·736	·733	·738	·756	·770	·790	·791	·799	·781	·764	07·93	22 18	·803	3 55	·713	26
·739	·718	·717	·715	·730	·733	·765	·761	·765	·751	·753	07 60	9 45	·797	16 8	·713	27
·750	·726	·729	·728	·744	·760	·773	·776	·783	·760	·759	07·81	10 10	·820	3 52	·712	28
·771	·741	·733	·730	·747	·761	·774	·776	·790	·775	·771	08·13	9 7	·830	2 25	·724	29
·725	·705	·702	·703	·719	·738	·764	·771	·779	·774	·752	07·57	8 35	·803	16 15	·699	30
·788	·771	·764	·772	·789	·799	·829	·839	·855	·846	·803	09·20	22 24	·859	2 35	·757	31
29·781	29·761	**29·753**	29·760	29·777	29·788	29·808	29·813	29·821	29·809	29·801						Mean.
—·020	—·040	**—·042**	—·041	—·024	—·013	+·007	+·012	+·020	+·008							Variation.
1008·53	1007·83	**1007·79**	1007·80	1008·34	1008·77	1009·37	1009·69	1009·83	1009·41		1009·13					Mean in milibars.
—·60	—1·30	**—1·34**	—1·33	—·79	—·36	+·24	+·47	+·70	+·28							Variation in milibars.

JUNE.

29·763	29·736	29·731	29·734	29·739	29·739	29·756	29·761	29·780	29·770	**29·794**	**1008·93**	7 42	**29·857**	16 5	29·725	1
·746	·733	·717	·713	·717	·730	·750	·755	·762	·759	·760	07·80	8 32	·817	18 0	·705	2
·713	·703	·695	·697	·704	·721	·733	·745	·753	·748	·739	07·11	9 30	·800	16 30	·687	3
·761	·748	·747	·754	·764	·774	·786	·800	·812	·812	·777	08·34	10 0	·822	1 30	·725	4
·750	·728	·728	·716	·733	·738	·765	·778	·796	·786	·774	08·23	8 15	·822	17 20	·712	5
·759	·733	·733	·725	·743	·751	·765	·767	·779	·767	·767	08·04	10 30	·821	16 55	·719	6
·736	·709	·697	·705	·737	·750	·765	·775	·791	·784	·756	07·70	9 26	·807	16 30	·691	7
·689	·661	·664	·665	·686	·691	·727	·727	·755	·747	·746	07·30	8 50	·827	16 10	·655	8
·642	·605	·599	·628	·646	·659	·672	·701	·714	·696	·687	05·34	9 30	·749	16 30	·579	9
·621	·595	·586	·578	·607	·624	·647	·653	·671	·659	·664	04·53	3 40	·745	16 30	·575	10
·602	·556	·546	·548	·594	·618	·654	·644	·646	·646	·632	03·47	8 4	·716	16 22	·536	11
·572	·550	·526	·545	·594	·630	·622	·620	·628	·608	·605	02·57	18 52	·646	16 45	·526	12
·504	**·500**	·516	·508	·543	·546	·562	·576	·568	·552	·563	01·11	9 5	·622	15 5	**·486**	13
·549	·534	·540	·534	·557	·566	·590	·592	·605	·594	**·551**	**00·73**	22 28	·612	4 40	·490	14
·596	·584	·600	·595	·614	·639	·664	·659	·674	·650	·606	02·60	22 8	·680	3 10	·536	15
·670	·653	·639	·628	·648	·670	·686	·676	·672	·662	·644	03·83	19 25	·700	3 25	·592	16
·648	·616	·614	·604	·604	·616	·644	·640	·640	·632	·644	03·83	10 6	·706	16 2	·602	17
·621	·597	·598	·588	·603	·615	·641	·653	·677	·633	·629	03·41	22 10	·687	17 10	·585	18
·640	·625	·610	·609	·633	·639	·650	·654	·669	·657	·638	03·67	10 30	·687	3 45	·587	19
·635	·613	·605	·625	·628	·637	·653	·659	·667	·650	·641	03·73	10 10	·681	16 50	·597	20
·621	·590	·578	·576	·590	·594	·614	·613	·613	·608	·619	03·01	10 35	·681	17 18	·568	21
·602	·588	·588	·580	·592	·595	·608	·605	·611	·596	·600	02·40	8 42	·658	3 18	·542	22
·601	·580	·578	·567	·587	·591	·613	·613	·621	·606	·598	02·27	10 25	·643	2 10	·553	23
·562	·534	·529	·538	·562	·577	·593	·599	·607	·592	·582	01·77	9 8	·626	16 35	·520	24
·549	·522	·530	·535	·561	·579	·600	·608	·605	·585	·572	01·47	10 20	·612	15 55	·520	25
·545	·534	·527	·524	·541	·547	·563	·567	·564	·546	·561	01·03	10 58	·607	17 0	·517	26
·560	·544	·552	·554	·566	·575	·598	·608	·618	·605	·574	01·53	22 35	·624	15 45	·534	27
·598	·568	·574	·569	·587	·607	·622	·642	·660	·655	·610	02·70	22 50	·665	17 2	·560	28
·653	·634	·634	·632	·550	·658	·684	·693	·699	·690	·652	04·17	21 50	·702	3 35	·606	29
·634	·615	·620	·618	·633	·646	·669	·678	·688	·676	·657	04·34	10 22	·700	16 56	·608	30
29·638	29·616	29·614	**29·613**	29·632	29·644	29·663	29·669	29·678	29·666	29·655						Mean.
—·017	—·039	—·041	**—·042**	—·023	—·011	+·008	+·014	+·023	+·011							Variation.
1003·67	1002·9	1002·88	**1002·80**	1003·47	1003·83	1004·50	1004·71	1004·87	1004·60		1004·27					Mean in milibars
—·60	—1·37	—1·44	**—1·47**	—·80	—·44	+·23	+·44	+·70	+·33							Variation in milibars.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JULY. (IN INCHES OF MERCURY AT 32°F.)

Date.	Hours. (B. M. T.)												
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·676	29·648	29·632	29·622	29·627	29·623	29·642	29·655	29·671	29·670	29·681	29·668	29·667	29·656
2	·669	·655	·645	·633	·641	·643	·661	·673	·685	·684	·686	·668	·654	·641
3	·614	·595	·587	·565	·566	·553	·568	·567	·573	·568	·573	·559	·553	·529
4	·533	·515	·503	·500	·499	·499	·508	·506	·520	·528	·534	·522	·516	·502
5	·539	·528	·523	·520	·536	·543	·569	·572	·591	·593	·610	·598	·601	·581
6	·610	·598	·596	·590	·594	·605	·629	·643	·662	·658	·658	·648	·636	·620
7	·622	·606	·593	·582	·589	·595	·616	·622	·641	·638	·642	·633	·624	·606
8	·623	·595	·594	·584	·588	·584	·605	·615	·641	·645	·645	·639	·631	·620
9	·645	·623	·612	·605	·618	·622	·646	·658	·678	·681	·693	·680	·677	·655
10	·690	·665	·654	·638	·641	·643	·665	·681	·700	·701	·703	·689	·675	·660
11	·658	·641	·632	·613	·620	·621	·644	·653	·678	·683	·693	·684	·683	·667
12	·682	·656	·646	·640	·642	·645	·664	·681	·706	·713	·726	·717	·711	·700
13	·722	·702	·693	·686	·686	·692	·711	·725	·744	·748	·761	·750	·751	·739
14	·732	·713	·707	·696	·700	·712	·736	·746	·762	·773	**·786**	·774	·766	·755
15	·726	·714	·711	·700	·703	·700	·722	·736	·745	·746	·748	·744	·739	·721
16	·718	·705	·697	·691	·694	·702	·731	·744	·766	·774	·782	·772	·767	·760
17	·724	·700	·694	·683	·693	·700	·721	·729	·751	·743	·741	·727	·721	·699
18	·669	·649	·641	·633	·637	·641	·647	·667	·673	·667	·677	·655	·649	·645
19	·636	·619	·613	·605	·612	·621	·646	·657	·676	·673	·682	·683	·671	·654
20	·645	·627	·622	·624	·627	·631	·653	·672	·686	·691	·694	·682	·663	·648
21	·643	·613	·611	·600	·607	·610	·633	·644	·665	·671	·672	·658	·656	·640
22	·631	·610	·608	·601	·607	·611	·643	·655	·676	·680	·691	·688	·676	·665
23	·668	·653	·648	·642	·651	·661	·688	·704	·731	·728	·738	·730	·719	·702
24	·706	·685	·678	·670	·672	·675	·695	·703	·730	·727	·732	·723	·713	·695
25	·701	·680	·675	·662	·674	·679	·692	·695	·717	·721	·724	·710	·706	·692
26	·721	·698	·692	·682	·688	·687	·705	·719	·739	·741	·750	·737	·727	·707
27	·715	·700	·692	·679	·672	·677	·699	·707	·720	·723	·737	·721	·713	·707
28	·733	·715	·698	·690	·693	·699	·715	·729	·745	·743	·751	·735	·722	·700
29	·694	·672	·666	·651	·661	·664	·687	·704	·719	·724	·728	·751	·704	·675
30	·693	·672	·663	·648	·662	·663	·687	·703	·730	·733	·737	·725	·717	·703
31	·711	·694	·683	·674	·680	·686	·714	·725	·740	·741	·751	·738	·723	·699
Mean .	29·669	29·650	29·642	29·633	29·638	29·642	29·663	29·674	29·692	29·694	**29·701**	29·689	29·682	29·666
Variation	+·004	—·015	—·023	—·032	—·027	—·023	—·002	+·009	+·027	+·029	**+·036**	+·024	+·017	+·001
Mean in milibars	1004·71	1004·10	1003·77	1003·50	1003·67	1003·77	1004·50	1004·83	1005·47	1005·53	**1005·83**	1005·41	1005·17	1004·60
Variation in milibars.	+·14	—·47	—·80	—1·07	—·97	—·80	—·07	+·26	+·90	+·96	**+1·26**	+·84	+·60	+·03

AUGUST.

1	29·727	29·704	29·687	29·679	29·689	29·692	29·707	29·715	29·728	29·725	29·731	29·717	29·714	29·709
2	·686	·653	·645	·633	·631	·632	·656	·662	·686	·673	·669	·656	·650	·631
3	·662	·639	·627	·613	·617	·625	·645	·657	·681	·685	·685	·679	·669	·655
4	·670	·650	·642	·631	·638	·643	·677	·691	·709	·723	·730	·718	·708	·676
5	·703	·685	·680	·669	·680	·688	·711	·727	·741	·742	·743	·733	·731	·718
6	·718	·697	·688	·682	·689	·692	·714	·724	·753	·753	·761	·754	·749	·728
7	·723	·705	·699	·695	·700	·708	·731	·737	·764	·771	·774	·757	·748	·732
8	·712	·701	·702	·692	·695	·695	·727	·731	·757	·756	·758	·739	·724	·709
9	·690	·678	·666	·646	·658	·653	·667	·685	·715	·716	·715	·707	·700	·687
10	·692	·672	·660	·642	·646	·647	·676	·680	·693	·692	·698	·689	·673	·651
11	·672	·652	·643	·638	·646	·645	·660	·670	·684	·690	·693	·677	·663	·645
12	·535	·608	·597	·590	·598	·603	·631	·637	·660	·663	·671	·660	·652	·623
13	·611	·591	·581	·577	·577	·581	·600	·609	·628	·632	·642	·631	·627	·608
14	·625	·598	·589	·577	·591	·596	·610	·614	·640	·640	·646	·627	·620	·600
15	·644	·625	·625	·616	·629	·636	·658	·666	·678	·683	·692	·681	·671	·662
16	·680	·651	·646	·640	·648	·655	·678	·686	·709	·706	·710	·707	·707	·678
17	·709	·688	·678	·672	·681	·676	·695	·707	·725	·730	·730	·718	·708	·698
18	·711	·680	·669	·665	·685	·687	·703	·712	·732	·736	·736	·728	·714	·692
19	·689	·670	·664	·653	·667	·667	·686	·701	·716	·732	·736	·728	·710	·703
20	·717	·697	·697	·687	·699	·708	·733	·753	·780	·776	·782	·766	·749	·729
21	·738	·718	·700	·692	·711	·717	·736	·748	·759	·766	·770	·756	·736	·720
22	·720	·697	·696	·687	·709	·713	·733	·752	·777	·780	·786	·769	·758	·737
23	·733	·715	·706	·704	·710	·720	·740	·758	·772	·776	·796	·786	·764	·746
24	·737	·716	·709	·702	·710	·714	·738	·756	·776	·786	·795	·781	·772	·755
25	·769	·746	·740	·736	·747	·748	·772	·786	·806	·812	·818	·806	·794	·776
26	·782	·763	·754	·743	·754	·750	·765	·779	·796	·798	·799	·791	·783	·762
27	·790	·773	·768	·751	·749	·757	·770	·782	·805	·806	·814	·808	·797	·788
28	·798	·778	·770	·761	·766	·764	·789	·809	·825	·829	·833	·824	·808	·782
29	·778	·761	·756	·748	·753	·760	·781	·802	·825	·822	·824	·812	·797	·787
30	·830	·813	·810	·797	·800	·811	·832	·842	·868	·877	**·879**	·864	·844	·828
31	·850	·832	·823	·815	·821	·821	·833	·849	·873	·875	·875	·853	·828	·816
Mean .	29·716	29·695	29·688	29·678	29·687	29·690	29·711	29·723	29·744	29·747	**29·751**	29·739	29·728	29·71
Variation.	+·003	—·018	—·025	—·035	—·026	—·023	—·002	+·010	+·031	+·034	**+·038**	+·026	+·015	—·002
Mean in milibars.	1006·30	1005·57	1005·37	1004·97	1005·34	1005·40	1006·13	1006·50	1007·23	1007·34	**1007·53**	1007·11	1006·67	1006·1
Variation in milibars.	+·10	—·63	—·83	—1·23	—·86	—·80	—·07	+·30	+1·03	+1·14	**+1·33**	+·91	+·47	—·07

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JULY. (IN INCHES OF MERCURY AT 32° F.)

Hours. (B. M. T.)										Mean.	Mean in Milibar.	Maximum.		Minimum.		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
												H. M.		H. M.		
29·652	29·628	29·631	29·647	29·664	29·680	29·694	29·697	29·703	29·688	29·659	1004·41	22 10	29·708	4 30	29·616	1
·618	·601	·593	·595	·613	·629	·642	·640	·641	·622	·643	03·80	9 50	·689	16 35	·585	2
·518	·503	·501	·503	·525	·535	·547	·541	·551	·541	·551	00·73	10 48	·579	16 40	·497	3
·560	**·486**	·494	·506	·514	·525	·544	·548	·551	·543	**·517**	**999·54**	21 22	·558	15 22	**·478**	4
·569	·552	·549	·552	·573	·591	·618	·628	·634	·627	·575	1001·57	22 12	·636	3 6	·512	5
·610	·594	·598	·590	·602	·616	·632	·639	·652	·636	·621	03·13	8 48	·674	2 50	·584	6
·596	·578	·571	·564	·580	·594	·626	·628	·644	·630	·609	02·71	22 8	·650	16 45	·560	7
·604	·583	·581	·586	·607	·621	·651	·663	·669	·663	·618	02·97	21 28	·677	16 18	·569	8
·645	·634	·631	·624	·641	·658	·683	·701	·714	·700	·655	04·27	22 6	·621	3 58	·601	9
·640	·623	·625	·621	·640	·646	·673	·679	·689	·669	·663	04·50	9 52	·710	17 0	·614	10
·653	·634	·631	·630	·650	·666	·694	·698	·705	·695	·659	04·41	22 50	·708	3 25	·608	11
·690	·676	·672	·680	·697	·703	·722	·728	·736	·726	·690	05·40	22 50	·740	3 35	·632	12
·729	·708	·708	·711	·724	·736	·749	·753	·754	·741	·726	06·60	10 40	·766	4 16	·678	13
·742	·723	·716	·711	·730	·725	·741	·744	·743	·733	·736	07·00	10 10	·790	3 58	·692	14
·719	·704	·696	·695	·721	·724	·736	·741	·754	·728	·724	06·53	22 5	·764	5 0	·690	15
·749	·733	·729	·726	·742	·748	·751	·751	·754	·734	**·738**	**07·07**	9 50	**·792**	4 24	·684	16
·692	·675	·675	·668	·683	·692	·701	·692	·696	·678	·703	05·90	8 35	·755	17 40	·663	17
·637	·620	·617	·618	·634	·643	·657	·663	·672	·652	·648	03·97	10 35	·689	16 40	·611	18
·641	·631	·627	·627	·639	·645	·659	·665	·677	·662	·647	03·94	10 46	·689	3 48	·601	19
·634	·612	·623	·625	·637	·647	·668	·667	·670	·653	·650	04·10	10 20	·698	15 55	·604	20
·632	·618	·616	·613	·627	·629	·646	·654	·655	·636	·635	03·57	9 25	·676	3 40	·596	21
·647	·628	·646	·642	·657	·663	·682	·683	·693	·682	·653	04·20	11 35	·699	3 10	·595	22
·694	·685	·684	·682	·695	·703	·720	·713	·724	·711	·695	05·71	10 15	·744	3 42	·632	23
·685	·663	·664	·665	·688	·691	·712	·718	·724	·706	·697	05·78	10 40	·736	17 0	·656	24
·684	·670	·669	·667	687	·697	·720	·729	·743	·731	·697	05·78	22 12	·749	3 10	·657	25
·692	·665	·665	·665	·690	·695	·717	·721	·729	·718	·706	06 60	10 12	·757	16 28	·655	26
·696	·682	680	·683	·703	·708	·726	·730	·740	·736	·706	06·00	23 0	·743	4 22	·665	27
·678	·657	·655	·645	·656	·662	·683	·694	·706	·706	.700	05·80	10 18	·757	17 50	·639	28
·656	·642	·642	·646	·670	·680	·711	·712	·721	·705	·686	05·30	10 5	·736	16 32	·634	29
·699	·665	·672	·674	·695	·701	·722	·725	·732	·721	·698	05·67	10 10	·741	3 50	·645	30
·688	·673	·671	·675	.703	·716	·738	·743	·748	·741	.711	06·13	10 35	·755	16 36	·661	31
29·654	29·637	**29·637**	29·637	29·654	29·664	29·683	29·687	29·694	29·681	29·665						Mean.
—·011	—·028	**—·028**	—·028	—·011	—·001	+·018	+·022	+0·29	+·016							Variation.
1004·23	1003·64	**1003·64**	1003·64	1004·23	1004·53	1005·20	1005·34	1005·53	1005·13		1004·57					Mean in millibars.
—·34	—·93	**—·93**	—·93	—·34	—·04	+·63	+·77	+·96	+·56							Variation in millibars.

AUGUST.

29·690	29·672	29·679	29·677	29·693	29·708	29·723	29·718	29·723	29·703	29·705	1005·97	10 15	29·735	16 8	29·637	1
·619	·611	.617	·622	·643	·646	·665	·684	·690	·676	·651	04·13	22 26	·693	16 5	·605	2
·632	·612	·615	·615	·630	·641	·670	·680	·694	·680	·650	04·10	22 22	·696	3 45	·604	3
·659	·638	·639	·647	·680	·694	·721	·731	·738	·721	·682	05·17	22 38	·743	3 10	·627	4
·707	·689	·684	·688	·710	·718	·739	·739	·744	·731	·713	06·20	21 52	·747	3 8	·663	5
·720	·702	·700	·702	·728	·737	·753	·758	·763	·740	·725	06·57	22 2	·770	4 14	·676	6
·719	·706	·703	·705	·720	·718	·730	·725	·724	·711	·725	06 57	10 28	·779	3 5	·685	7
·700	·680	·676	·676	·690	·700	·721	·724	·725	·705	·712	06·17	8 55	·767	16 40	·667	8
·679	·659	·652	·646	·667	·678	·689	·696	·709	·701	·682	05·17	8 45	·727	3 58	·639	9
·641	·624	·624	·627	·646	·652	·672	·673	·680	·676	·664	04·53	10 26	·706	16 40	·616	10
·632	·610	·612	·608	·615	·623	·642	·641	·646	·639	·648	03·97	8 45	·698	16 40	·604	11
·605	·583	·582	·575	·590	·603	·626	·627	·630	·618	·620	03·10	10 12	·674	17 12	**·564**	12
·594	**·575**	·577	·576	·592	·614	·634	·640	·646	·637	**·607**	**02·64**	22 22	·648	16 38	·570	13
·591	·580	·576	·579	·601	·619	·641	·662	·679	·667	·615	02·87	22 40	·684	4 4	·570	14
·642	·628	·626	·628	·650	·656	·677	·690	·716	·695	·657	04·34	22 30	·722	3 12	·610	15
·666	·658	·662	·665	·686	·696	·717	·731	·743	·726	·685	05·27	22 45	·751	3 56	·633	16
·682	·665	·675	·678	·699	·717	·736	·746	·740	·724	·703	05·90	21 40	·751	16 8	·657	17
·680	·663	·665	·663	·681	·690	·707	·712	·713	·698	·697	05·64	9 8	·743	3 12	·653	18
·687	·665	·668	·668	·693	·703	·716	·727	·727	·719	·696	05·60	9 40	·729	3 46	·645	19
·722	·709	·717	·720	·726	·737	·748	·756	·758	·746	·734	06·93	10 25	·740	3 28	·678	20
·707	·693	·696	·701	·718	·720	·737	·740	·744	·728	·727	06·64	10 20	·776	16 8	·684	21
·727	·713	·706	·708	·727	.733	·753	·753	·750	·736	·734	06·93	10 20	·792	3 20	·682	22
·725	·701	·704	·706	·725	·736	·756	·753	·752	·739	·739	07·11	10 38	·800	2 48	·696	23
·740	·728	·728	·730	·748	·751	·771	·779	·780	·775	·749	07·41	10 30	·800	3 58	·694	24
·763	·744	·748	·748	·761	·768	·789	·791	·793	·788	·773	08·20	10 52	·828	3 5	·732	25
·761	·743	·748	·752	·776	·778	·796	·798	806	·796	·774	08 23	21 45	·812	4 25	·738	26
·777	·762	·769	·764	·781	.786	·809	·815	·815	·801	·785	08·67	21 40	·822	4 32	·738	27
·773	·752	·749	·749	·771	·774	·796	·802	·805	·791	·787	08·74	10 18	·836	16 18	·740	28
·770	·758	·767	·775	·798	·814	·835	·849	·849	·838	·794	08·93	21 15	·856	3 50	·740	29
·817	·802	·810	·813	·824	·839	·868	·876	·876	·861	**·837**	**10·44**	9 10	·832	4 30	·786	30
·798	·787	·779	·783	·798	·811	·829	·830	·829	·808	·826	10·00	9 22	**·883**	17 8	·771	31
29·698	**29·681**	29·682	29·684	29·702	29·712	29·731	29·737	29·742	29·728	29·713						Mean.
—·015	**—·032**	—·031	—·029	—·011	—·001	+·018	+·024	+·029	+·015							Variation.
1005·67	**1005·13**	1005·17	1005·23	1005·87	1006·17	1006·83	1007·04	1007·17	1006·67		1006·20					Mean in millibars
—·53	**—1·07**	—1·03	—·97	—·33	—·03	+·63	+0·84	+·97	+·47							Variation in millibars.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN INCHES OF MERCURY AT 32° F.

Date.	Hours, (B. M. T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·795	29·771	29·759	29·746	29·758	29·757	29·779	29·794	29·810	29·810	29·811	29·795	29·777	29·757
2	·767	·745	·734	·729	·745	·759	·780	·793	·814	·821	·827	·807	·788	·776
3	·784	·766	·760	·750	·763	·776	·791	·808	·831	·831	·835	·818	·8 3	·780
4	·798	·778	·768	·759	·764	·773	·790	·811	·834	·839	·846	·839	·818	·793
5	·791	·773	·757	·746	·761	·768	·794	·817	·841	·843	·844	·824	·806	·779
6	·769	·743	·721	·713	·722	·722	·738	·754	·772	·770	·772	·762	·748	·732
7	·713	·681	·670	·653	·648	·652	·670	·690	·704	·716	·730	·714	·709	·684
8	·725	·703	·694	·688	·700	·702	·721	·740	·761	·765	·772	·763	·746	·729
9	·756	·735	·728	·716	·712	·714	·74)	·758	·786	·786	·788	·771	·751	·732
10	·740	·720	·712	·704	·710	·711	·724	·740	·764	·773	·782	·766	·750	·736
11	·755	·737	·729	·722	·735	·739	·756	·772	·800	·799	·798	·787	·771	·749
12	·763	·746	·736	·731	·740	·743	·765	·782	·798	·808	·808	·793	·775	·767
13	·760	·753	·749	·743	·755	·765	·780	·799	·827	·829	·831	·821	·805	·783
14	·791	·766	·748	·743	·753	·760	·778	·792	·814	·813	·815	·793	·777	·748
15	·758	·738	·734	·730	·744	·746	·768	·788	·808	·816	·818	·801	·786	·760
16	·784	·767	·764	·758	·760	·774	·800	·823	·847	·839	·839	·825	·815	·800
17	·822	·802	·799	·790	·806	·816	·826	·841	·871	·870	·868	·852	·837	·808
18	·829	·811	·799	·791	·804	·812	·827	·848	·875	·872	·872	·847	·830	·804
19	·803	·787	·778	·766	·775	·781	·800	·810	·834	·831	·829	·810	·779	·754
20	·775	·750	·737	·735	·746	·760	·782	·800	·825	·834	·836	·817	·792	·776
21	·774	·755	·751	·737	·740	·757	·776	·795	·827	·837	·848	·830	·810	·781
22	·800	·780	·766	·756	·761	·769	·783	·796	·825	·826	·827	·801	·776	·759
23	·801	·782	·775	·764	·768	·779	·800	·814	·810	·846	·856	·837	·821	·795
24	·838	·816	·813	·807	·809	·816	·840	·855	·877	·885	·885	·870	·853	·829
25	·830	·806	·796	·792	·805	·814	·841	·856	·880	·882	·878	·855	·835	·805
26	·838	·828	·828	·828	·839	·846	·870	·890	·916	·923	·916	·894	·873	·853
27	·876	·851	·842	·837	·842	·848	·870	·887	·916	·903	·889	·866	·845	·815
28	·790	·766	·752	·748	·749	·745	·777	·786	·805	·804	·799	·770	·736	·702
29	·729	·711	·704	·698	·704	·710	·732	·745	·776	·778	·772	·750	·737	·700
30	·756	·739	·736	·728	·738	·756	·778	·795	·817	·807	·799	·779	·764	·746
Mean .	29·784	29·764	29·755	29·747	29·755	29·762	29·783	29·799	29·823	29·825	**29·826**	29·809	29·790	29·768
Variation.	+·004	—·016	—·025	—·033	—·025	—·018	+·003	+·019	+·043	+·045	**+·046**	+·029	+·010	—·012
Mean in milibar.	1008·63	1007·93	1007·67	1007·34	1007·67	1007·87	1008·60	1009·11	1009·90	1009·97	**1010·00**	1009·41	1008·80	1008·07
Variation in milibar.	+·13	—·57	—·83	—1·16	—·83	—·63	+·10	+·61	+1·40	+1·47	**+1·50**	+·91	+·30	—·43

OCTOBER.

1	29·789	29·771	29·762	29·745	29·765	29·778	29·810	29·830	29·850	29·850	29·844	29·822	29·804	29·775
2	·809	·793	·783	·773	·781	·794	·824	·844	·864	·867	·860	·842	·824	·798
3	·831	·814	·811	·809	·827	·838	·865	·882	·909	·911	·904	·881	·848	·820
4	·842	·830	·831	·831	·841	·860	·886	·900	·918	·913	·899	·873	·847	·822
5	·871	·857	·860	·850	·860	·864	·888	·902	·931	·937	·931	·899	·877	·847
6	·906	·890	·890	·888	·899	·905	·933	·848	.962	·956	·946	·921	·890	·858
7	·867	·851	·846	·839	·852	·861	·890	·910	·927	·925	·913	·885	·853	·823
8	·842	·818	·810	·812	·817	·826	·848	·863	·881	·876	·871	·845	·816	·791
9	·830	·817	·815	·815	·824	·828	·857	·875	·900	·897	·884	·856	.836	·809
10	·841	·815	·801	·795	·805	·812	·831	·847	·864	·867	·851	·814	·782	·761
11	·765	·750	·742	·737	·746	·759	·788	·804	·821	·819	·813	·786	·763	·737
12	·770	·749	·745	·745	·758	·775	·807	·823	·845	·848	·833	·800	·772	·744
13	·815	·813	·828	·825	·820	·816	·837	840	·863	·865	·847	·813	·786	·756
14	·803	·781	·773	·765	·776	·786	·809	·827	·854	·859	·852	·830	·805	·788
15	·826	·815	·817	·811	·819	·827	·845	·856	·883	·881	·877	·841	·814	·787
16	·830	·818	·807	·816	·826	·836	·857	·874	·896	·893	·900	·873	·847	·826
17	·841	·826	·817	·820	·837	·847	·871	·887	·908	·912	·911	·882	·862	·840
18	·877	·859	·848	·849	·872	·883	·911	·931	·951	·956	·944	·915	·893	·874
19	·882	·863	·858	·860	·875	·887	·914	·930	·950	·952	·948	·920	·891	·860
20	·901	·882	·876	·872	.882	·897	·928	·945	·968	·970	·965	·937	·899	·873
21	·887	·867	·865	·862	·882	·889	·920	·933	·952	·960	·953	·920	·893	·855
22	·843	·835	·832	·824	·837	·852	·883	·898	·920	·926	·929	·901	·876	·851
23	·860	·840	·836	·835	·847	·858	·889	·905	·925	·919	·917	·886	·863	·832
24	·886	·884	·882	·886	·907	·919	·957	·970	·996	·997	·983	·947	·927	·898
25	·910	·894	·899	·898	·905	·913	·943	·956	·987	·994	·980	·940	·916	·879
26	·893	·877	·867	·859	·862	·874	·895	·911	·932	·938	·930	·899	·875	·853
27	·841	·819	·826	·821	·823	·833	·859	·873	·890	·892	·880	·847	·823	·791
28	·853	·833	·827	·818	·830	·838	·857	·878	·898	·896	·880	·846	·827	·803
29	·819	·805	·795	·797	·820	·827	·855	·873	·898	·898	·886	·853	·833	·801
30	·819	·809	·822	·822	·824	·842	·869	·886	·911	·916	·898	·861	·832	·798
31	·803	·787	·781	·771	·771	·768	·792	·803	·833	·830	·820	·790	·760	·727
Mean .	29·844	29·827	29·824	29·821	29·832	29·842	29·868	29·884	29·906	**29·907**	29·898	29·869	29·843	29·815
Variation.	—·001	—·018	—·021	—·024	—·013	—·003	+·023	+·039	+·061	**+·062**	+·053	+·024	—·002	—·030
Mean in millibars.	1010·63	1010·04	1009·93	1009·83	1010·27	1010 57	1011·47	1012·03	1012 70	**1012·74**	1012·47	1011·51	1010·60	1009·67
Variation in millibars.	—·04	—·63	—·74	—·84	—·40	—·10	+·80	+1·36	+2·03	**+2·07**	+1·80	+·84	—·07	—·10

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN INCHES OF MERCURY AT 32° F.)

Hours. (B. M. T.)										Mean.	Mean in Milibar.	Maximum.		Minimum.		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
												H. M.		H. M.		
29·739	29·727	29·727	29·728	29·749	29·757	29·775	29·781	29·779	29·765	29·769	1008·11	9 45	29·813	16 35	29·717	1
·767	·749	·749	·752	·768	·778	·799	·809	·805	·785	·777	08·34	10 8	·829	3 40	·721	2
·766	·757	·760	·768	·787	·796	·814	·826	·823	·810	·792	08·87	8 52	·846	3 8	·744	3
·770	·743	·742	·742	·758	·778	·812	·817	·812	·803	·791	08·83	10 12	·854	16 44	·730	4
·765	·749	·744	·743	·769	·782	·805	·810	·800	·785	·787	08·74	10 10	·854	3 45	·736	5
·704	·679	·669	·685	·705	·713	·741	·742	·748	·720	·731	06·83	8 40	·782	16 35	·660	6
·668	**·666**	·678	·686	·711	·726	·751	·755	·751	·736	**·698**	**05·67**	21 25	·762	4 12	**·640**	7
·715	·700	·700	·706	·726	·734	·756	·760	·776	·758	·731	06·83	22 18	·782	3 58	·684	8
·714	·696	·696	·698	·718	·727	·747	·760	·764	·750	·739	07·11	9 35	·792	17 20	·690	9
·717	·703	·700	·703	·729	·744	·771	·776	·779	·769	·738	07·07	10 35	·786	16 40	·694	10
·736	·725	·727	·728	·748	·760	·779	·781	·782	·772	·758	07·77	10 2	·805	4 8	·717	11
·751	·735	·735	·735	·757	·771	·791	·793	·795	·770	·766	08·00	9 54	·817	3 45	·723	12
·769	·760	·763	·767	·780	·789	·806	·811	·813	·798	·786	08·70	10 8	·835	3 54	·737	13
·736	·727	·735	·733	·742	·757	·777	·782	·782	·769	·768	08·07	9 55	·821	16 4	·713	14
·748	·744	·747	·751	·770	·788	·805	·819	·812	·790	·774	08·23	9 8	·826	3 15	·718	15
·790	·778	·794	·786	·807	·817	·840	·839	·840	·822	·805	09·27	8 56	·856	3 55	·746	16
·804	·795	·804	·811	·830	·842	·869	·865	·859	·841	·830	10·20	9 5	·876	4 4	·780	17
·792	·788	·788	·794	·803	·822	·834	·834	·827	·811	·822	09·87	9 25	·884	15 15	·778	18
·733	·725	·735	·747	·768	·779	·807	·811	·806	·788	·785	08·67	9 10	·839	15 50	·715	19
·759	·746	·757	·760	·783	·789	·804	·804	·805	·785	·782	08·57	10 10	·840	3 28	·726	20
·769	·756	·758	·762	·777	·788	·819	·824	·824	·806	·788	08·77	10 20	·854	4 34	·726	21
·741	·731	·741	·746	·765	·782	·805	·805	·810	·803	·781	08·53	9 28	·833	15 25	·725	22
·787	·776	·779	·787	·799	·813	·835	·846	·861	·846	·809	09·41	22 5	·865	4 20	·753	23
·817	·805	·800	·800	·818	·829	·844	·850	·856	·838	·835	10·37	9 46	·891	16 45	·791	24
·792	·776	·776	·782	·808	·820	·843	·852	·861	·849	·826	10·00	8 52	·889	16 2	·769	25
·837	·820	·828	·827	·846	·862	·889	·896	·897	·888	**·864**	**11·33**	9 10	**·937**	15 54	·813	26
·793	·765	·763	·768	·796	·802	·826	·826	·819	·801	·835	10·37	8 58	·921	16 50	·749	27
·684	·677	·696	·684	·707	·729	·738	·749	·752	·737	·745	07·27	9 35	·812	15 20	·656	28
·671	·659	·670	·677	·712	·727	·745	·752	·766	·761	·724	06·53	8 55	·782	15 42	·650	29
·732	·718	·724	·734	·758	·771	·798	·804	·812	·797	·766	08·00	9 10	·824	15 58	·710	30
29·752	**29·739**	29·743	29·746	29·766	29·779	29·801	29·806	29·807	29·792	29·780						Mean.
—·028	**—·041**	—·037	—·034	—·014	—·001	+·021	+·026	+·027	+·012							Variation.
1007·57	**1007·11**	1007·20	1007·30	1008·00	1008·41	1009·13	1009·30	1009·34	1008·87		1008·50					Mean in milibars.
—·93	**— 1·39**	—1·30	—1·20	—·50	—·09	+·63	+·80	+·84	+·37							Variation in milibars

OCTOBER.

29·753	29·740	29·755	29·759	29·787	29·806	29·824	29·830	29·825	29·818	29·795	1008·97	8 36	29·860	15 30	29·734	1
·786	·773	·787	·793	·815	·825	·843	·849	·850	·838	·817	09·74	8 58	·879	3 25	·761	2
·804	·793	·798	·801	·818	·831	·854	·858	·852	·845	·842	10·57	9 6	·919	16 5	·783	3
·807	·797	·804	·818	·853	·865	·890	·901	·897	·880	·859	11·11	8 10	·925	15 52	·787	4
·834	·824	·834	·839	·872	·888	·909	·914	·915	·904	·879	11·81	9 35	·940	15 50	·816	5
·841	·826	·828	·836	·851	·868	·868	·874	·873	·866	·838	12·17	8 28	·966	15 50	·818	6
·806	·795	·799	·805	·823	·831	·855	·866	·866	·851	·856	11·00	9 5	·933	15 58	·787	7
·773	·758	·764	·773	·795	·812	·840	·847	·845	·830	·823	09·90	8 45	·889	16 2	·749	8
·786	·775	·788	·797	·830	·840	·859	·862	·866	·853	·837	10·44	9 8	·907	14 55	·765	9
·746	·729	·727	·737	·766	·776	·796	·791	·786	·773	·796	09·00	8 52	·879	16 55	·713	10
·717	·712	·720	·730	·753	·773	·786	·784	·782	·765	·765	07·97	8 40	·825	15 35	·705	11
·727	·720	·752	·775	·800	·824	·858	·846	·841	·816	·791	08·83	20 10	·861	15 10	·699	12
·749	·748	·756	·776	·800	·818	·835	·831	·821	·807	·811	09·53	9 5	·873	16 25	·737	13
·778	·775	·787	·792	·816	·826	·845	·845	·840	·827	·810	09·50	9 12	·869	3 10	·755	14
·779	·769	·777	·786	·808	·824	·848	·853	·851	·837	·826	10·00	9 5	·889	16 8	·763	15
·816	·802	·816	·816	·836	·834	·859	·858	·859	·848	·843	10·60	9 20	·908	2 24	·798	16
·827	·815	·832	·842	·863	·881	·901	·908	·906	·890	·864	11·33	9 58	·921	2 45	·807	17
·842	·836	·841	·850	·874	·892	·910	·917	·912	·897	·889	11·90	9 30	·962	15 48	·826	18
·843	·832	·839	·850	·882	·896	·918	·923	·924	·914	·892	12·27	9 24	·956	16 6	·822	19
·848	·836	·847	·851	·871	·886	·911	·909	·905	·891	·898	12·47	9 40	·978	15 48	·826	20
·839	·826	·836	·836	·851	·868	·886	·881	·871	·856	·833	12·00	9 30	·968	15 28	·816	21
·837	·816	·832	·834	·841	·858	·886	·881	·882	·867	·864	11·33	9 50	·938	15 58	·812	22
·821	·817	·826	·836	·857	·881	·906	·910	·907	·891	·869	11·51	9 5	·933	15 25	·809	23
·874	·860	·869	·872	·896	·912	·932	·926	·931	·913	**·918**	**13·17**	9 30	**30·008**	16 20	·850	24
·861	·854	·867	·873	·887	·896	·916	·922	·914	·902	·913	13·00	9 26	29·998	16 16	·850	25
·834	·811	·821	·818	·833	·842	·862	·852	·857	·843	·868	11·47	9 28	·945	15 58	·811	26
·779	·770	·781	·783	·807	·828	·860	·863	·865	·861	·834	10·33	9 5	·901	15 8	·763	27
·781	·767	·778	·789	·800	·814	·837	·834	·835	·825	·831	10·23	8 52	·905	15 34	·761	28
·788	·768	·786	·788	·806	·830	·840	·838	·838	·830	·828	10·07	9 0	·914	15 46	·762	29
·777	·761	·778	·790	·813	·828	·835	·834	·828	·812	·832	10·27	9 5	·928	15 58	·758	30
·710	**·689**	·701	·711	·727	·737	·766	·750	·740	·707	**·762**	**07·87**	9 50	·839	16 8	**·685**	31
29·799	**29·787**	29.798	29·805	29·827	29·842	29·862	29·863	29·861	29·847	29·845						Mean.
—·046	**—·058**	—·047	—·040	—·018	—·003	+·017	+·018	+·016	+·002							Variation.
1009·11	**1008·74**	1009·07	1009·27	1010·04	1010·57	1011·27	1011·30	1011·23	1010·74		1010·67					Mean in milibars.
—1·56	**—1·93**	—1·60	—1·40	—·63	—·10	+·60	+·63	+·56	+·07							Variation in Milibars.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours (B. M. T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·718	29·709	29·697	29·691	29·698	29·705	29·751	29·770	29·768	29·780	29·768	29·744	29·725	29·706
2	·741	·722	·728	·727	·737	·748	·773	·787	·808	·794	·780	·750	·721	·692
3	·746	·726	·716	·717	·731	·739	·775	·788	·810	·826	·817	·791	·774	·756
4	·836	·827	·825	·820	·832	·840	·871	·894	·921	·930	·930	·904	·880	·850
5	·880	·866	·856	·856	·869	·885	·914	·923	·938	·951	·933	·908	·886	·863
6	·863	·850	·850	·852	·860	·862	·896	·911	·941	·945	·928	·896	·869	·838
7	·875	·865	·868	·865	·877	·885	·913	·928	·965	·975	·965	·937	·915	·893
8	·939	·928	·930	·926	·931	·937	·973	·988	30·024	30·026	30·010	·980	·951	·922
9	·947	·938	·934	·931	·937	·957	·979	·991	·017	·016	29·997	·951	·923	·901
10	·902	·887	·880	·876	·892	·896	·913	·935	29·961	29·962	·948	·910	·885	·856
11	·894	·885	·886	·879	·894	·899	·926	·942	·980	·980	·971	·932	·906	·885
12	·901	·888	·884	·880	·890	·906	·935	·958	·994	·996	·992	·960	·935	·912
13	·963	·947	·945	·943	·951	·969	·997	30·024	30·044	30·051	30·044	30·014	·991	·968
14	·997	·977	·971	·967	·983	·991	30·015	·034	**·072**	·068	·061	·027	·997	·964
15	·993	·978	·975	·974	·986	·993	·015	·043	·068	·070	·050	·020	·993	·971
16	·965	·945	·934	·933	·946	·953	29·983	·002	·026	·035	·023	29·994	·965	·943
17	·964	·948	·949	·943	·955	·972	·998	·017	·041	·042	·026	·995	·966	·949
18	·963	·947	·943	·939	·943	·954	·988	·010	·039	·037	·018	·983	·954	·926
19	·940	·916	·913	·906	·917	·928	·950	29·968	29·997	29·998	29·986	·954	·926	·902
20	·923	·905	·900	·897	·909	·914	·934	·954	·977	·985	·968	·938	·913	·884
21	·931	·917	·908	·909	·917	·927	·946	·965	·984	·995	·984	·962	·934	·921
22	·934	·917	·915	·913	·926	·940	·968	·989	30·025	30·036	30·025	·993	·961	·931
23	·973	·954	·948	·945	·952	·959	·984	30·004	·030	·039	·031	·997	·964	·934
24	·961	·949	·943	·938	·944	·952	·973	29·993	·011	·014	·005	·987	·926	·896
25	·943	·933	·929	·921	·926	·935	·955	·974	29·988	29·993	29·979	·951	·925	·907
26	·913	·889	·878	·868	·878	·890	·914	·929	·958	·958	·948	·918	·897	·870
27	·911	·897	·885	·876	·886	·895	·925	·937	·965	·973	·957	·929	·911	·888
28	·915	·907	·897	·895	·904	·916	·945	·963	·989	·996	·988	·954	·917	·886
29	·925	·915	·912	·909	·911	·920	·947	·964	·994	30·004	·991	·960	·926	·911
30	·945	·937	·934	·921	·927	·943	·965	·983	30·007	·004	·987	·955	·921	·897
Mean .	29·910	29·895	29·891	29·897	29·897	29·907	29·934	29·952	29·978	**29·983**	29·970	29·940	29·912	29·887
Variation.	—·006	—·021	—·025	—·029	—·019	—·009	+·018	+·036	+·062	**+·067**	+·054	+·024	—·004	—·029
Mean in milibars.	1012·90	1012·37	1012·23	1012·14	1012·44	1012·74	1013·63	1014·27	1015·17	**1015·30**	1014·90	1013·90	1012·97	1012·14
Variation in milibars.	—·20	—·73	—·87	—·96	—·66	—·36	+·53	+·1·17	+2·07	**+2·20**	+1·80	+·80	—·13	—·96

DECEMBER.

1	29·935	29·922	29·914	29·925	29·932	29·947	29·976	29·997	30·014	30·018	29·998	29·964	29·932	29·913
2	·954	·944	·939	·933	·942	·946	·973	·998	·025	·035	30·018	·989	·960	·925
3	·975	·954	·949	·944	·946	·954	·974	·996	·025	·028	·018	·985	·962	·935
4	·973	·949	·943	·933	·935	·944	·966	·984	·010	·017	·002	·971	·944	·915
5	·958	·948	·936	·935	·943	·948	·976	·994	·031	·037	·028	·998	·970	·956
6	·976	·961	·959	·956	·954	·967	·985	30·000	·032	·040	·022	·988	·967	·942
7	·999	·974	·970	·955	·957	·975	·987	·010	·042	·033	·019	·989	·965	·952
8	·987	·959	·955	·946	·951	·954	·979	29·998	·020	·034	·025	·987	·962	·929
9	·964	·947	·943	·935	·951	·952	·980	·998	·026	·025	·016	·985	·967	·946
10	·967	·958	·957	·949	·972	·979	30·005	30·026	·055	·061	·057	30·024	·986	·964
11	30·005	30·000	30·001	·997	30·017	30·037	·058	·070	·096	·094	·091	·057	30·028	30·000
12	29·998	29·987	29·986	·988	29·998	·013	·037	·058	·081	·092	·082	·050	·019	29·984
13	30·017	30·001	·993	·991	·993	·013	·045	·065	·093	·094	**·098**	·068	·036	30·007
14	29·995	29·978	·972	·959	·965	·979	29·997	·012	·043	042	·036	·011	29·987	29·958
15	·975	·949	·939	·933	·935	·946	·962	·985	29·999	29·995	29·996	29·961	·927	·910
16	·939	·915	·913	·909	·917	·918	·950	·968	30·001	30·008	30·000	·973	·947	·913
17	·959	·933	·920	·914	·928	·935	·956	·980	·008	·015	·002	·968	·934	·913
18	·959	·952	·946	·938	·949	·958	·985	30·002	·024	·014	29·998	·962	·942	·916
19	·937	·930	·919	·918	·928	·935	·950	29·960	29·981	29·980	·974	·938	·918	·890
20	·902	·897	·898	·890	·899	·907	·931	·950	·976	·983	·987	·961	·930	·908
21	·951	·941	·939	·932	·938	·946	·969	·991	30·018	30·024	30·012	·981	·959	·935
22	·957	·939	·921	·918	·920	·927	·943	·957	29·989	29·992	29·983	·957	·935	·909
23	·949	·930	·919	·911	·910	·918	·940	·965	·992	30·009	30·004	·974	·948	·922
24	·936	·925	·921	·915	·928	·936	·954	·978	30·005	·011	·008	·972	·945	·914
25	·953	·931	·924	·923	·930	·936	·960	·990	·021	·023	·016	·981	·952	·929
26	·938	·922	·908	·900	·908	·916	·940	·958	29·990	29·988	29·982	·947	·915	·878
27	·882	·860	·848	·838	·844	·848	·876	·899	·924	·935	·934	·898	·867	·841
28	·855	·850	·844	·841	·863	·874	·904	·932	·966	·979	·977	·945	·910	·875
29	·920	·904	·898	·897	·914	·925	·947	·953	·977	·985	·977	·945	·916	·888
30	·917	·908	·895	·887	·896	·901	·925	·940	·958	·969	·960	·928	·899	·873
31	·901	·881	·868	·869	·881	·890	·913	·937	·958	·958	·944	·921	·892	·865
Mean .	29·953	29·937	29·930	29·925	29·934	29·943	29·966	29·986	30·012	**30·017**	30·009	29·977	29·949	29·923
Variation.	+·001	—·015	—·022	—·027	—·018	—·009	+·014	+·034	+·060	**+·065**	+·057	+·025	—·003	—·029
Mean in milibars.	1014·30	1013·74	1013·50	1013·37	1013·63	1014·03	1014·80	1015·40	1016·37	**1016·54**	1016·21	1015·14	1014·21	1013·37
Variation in milibars.	+03	—·53	—·77	—·90	—·64	—·24	+·53	+1·13	+2·10	**+2·27**	+1·94	+·87	—·06	—·90

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (IN INCHES OF MERCURY AT 32° F.)

Hours (B. M. T.)										Mean.	Mean Milibars.	Maximum.		Minimum.		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
												H. M.		H. M.		
29·679	29·683	29·702	29·697	29·689	29·693	29·723	29·727	29·764	29·761	**29·723**	**1006·50**	9 30	29·791	15 20	29·669	1
·680	**·669**	·679	·690	·728	·742	·768	·771	·767	·761	·740	07·10	8 48	·811	16 8	**·663**	2
·751	·750	·769	·781	·799	·822	·847	·859	·860	·842	·783	08.60	21 42	·862	2 55	·706	3
·847	·842	·850	·854	·869	·887	·908	·906	·906	·894	·872	11·57	9 0	·938	4 0	·818	4
·833	·832	·834	·828	·838	·849	·865	·872	·871	·862	·875	11·67	9 15	·954	17 0	·816	5
·826	·820	·828	·831	·848	·866	·888	·888	·892	·881	·872	11·57	9 0	·946	16 25	·810	6
·877	·871	·877	·879	·897	·918	·944	·943	·954	·949	·910	12·90	9 10	·976	3 44	·856	7
.912	·908	·913	·917	·933	·962	·977	·980	·982	·967	·955	14·37	8 56	30·031	16 42	·901	8
·883	·863	·871	·873	·886	·903	·923	·925	·925	·906	·932	13·57	9 0	·021	16 45	·851	9
·846	·840	·856	·861	·881	·894	·897	·902	·912	·894	·895	12·37	9 0	29·965	15 45	·835	10
·868	·866	·874	·875	·894	·900	·908	·910	·918	·901	·907	12·74	9 8	·984	15 55	·860	11
·896	·894	·893	·912	·938	·958	·980	·982	·977	·964	·935	13·67	9 10	30·002	3 25	·872	12
·955	·950	·946	·953	·979	·997	30·017	30·016	30·016	30·002	·987	15·44	9 12	·073	3 38	·935	13
·959	·958	·964	·974	30·003	30·016	·035	·036	·029	·006	**30·004**	**16·03**	8 48	·073	15 34	·945	14
·951	·942	·948	·951	29·966	29·993	·013	·004	29·997	29·978	29·995	15·77	8 48	·075	16 30	·933	15
·919	·911	·914	·917	·934	·957	29·986	29·993	·989	·976	·964	14·73	9 15	·039	15 48	·905	16
·934	·927	·930	·934	·960	·969	·989	·989	·985	·969	·973	15·00	8 55	·049	16 36	·913	17
·911	·897	·896	·899	·919	·939	·961	·965	·968	·951	·956	14·40	8 45	·043	17 0	·889	18
·893	·885	·889	·893	·908	·928	·953	·953	·946	·930	·932	13·57	8 42	·001	16 35	·877	19
·866	·863	·868	·876	·899	·930	·947	·953	·952	·938	·921	13·23	9 8	29·995	15 50	·857	20
·892	·885	·889	·893	·913	·933	·945	·947	·946	·938	·933	13·60	9 0	·999	16 15	·873	21
·923	·910	·909	·908	·924	·953	·981	·984	·984	·985	·956	14·40	9 8	30·041	17 12	·895	22
·914	·905	·907	·907	·929	·947	·967	·972	·974	·964	·963	14·70	9 0	·043	16 56	·889	23
·889	·882	·885	·895	·923	·937	·961	·971	·967	·951	·948	14·17	9 14	·017	16 15	·873	24
·884	·878	·885	·893	·911	·934	·940	·934	·928	·918	·932	13·57	8 56	29·995	15 52	·871	25
·859	·852	·866	·878	·907	·925	·943	·943	·942	·924	·906	12·70	9 0	·963	15 56	·849	26
·876	·869	·879	·888	·907	·926	·942	·943	·937	·923	·914	13·03	9 0	·976	15 36	·862	27
·873	·864	·872	·878	·897	·915	·931	·939	·934	·926	·921	13·23	9 0	·997	15 40	·855	28
·894	·886	·896	·910	·935	·944	·957	·966	·962	·947	·937	13·74	9 0	30·007	15 56	·879	29
·883	·874	·889	·903	·917	·925	·944	·953	·948	·932	·937	13·74	8 44	·017	15 50	·865	30
29·872	**29·866**	29·873	29·878	29·898	29·915	29·935	29·938	29·937	29·925	29·916						Mean.
—·044	**—·050**	—·043	—·038	—·018	—·001	+·019	+·022	+·021	+·009							Variation.
1011·57	**1011·40**	1011·60	1011·77	1012·47	1013·07	1013·67	1013·77	1013·74	1013·37		1013·10					Mean in milibars.
—1·53	**—1·70**	—1·50	—1·33	—·63	—·03	+·57	+·67	+·64	+·27							Variation in milibars

DECEMBER.

29·893	29·888	29·889	29·904	29·935	29·957	29·979	29·980	29·976	29·964	29·948	1014·17	9 0	30·027	16 0	29·885	1
·916	·908	·915	·930	·956	·980	·992	30·003	30·001	29·981	·965	14·77	9 0	·038	15 52	·900	2
·917	·908	·912	·918	·945	·967	·987	29·985	29·988	29·978	·965	14·77	8 50	·030	16 0	·902	3
·906	·897	·896	·911	·935	·962	·986	·984	·985	·968	·955	14·37	9 0	·018	16 8	·882	4
·933	·927	·935	·948	·976	·998	30·011	30·008	30·004	·980	·974	15·03	9 0	·044	15 45	·920	5
·941	·935	·945	·965	·989	30·014	·019	·019	·017	30·005	·983	15·30	9 10	·042	15 55	·928	6
·927	·928	·935	·941	·965	·971	·000	·014	·016	29·994	·980	15·20	9 5	·044	16 45	·922	7
·922	·914	·909	·926	·947	·965	29·978	29·983	29·984	·969	·966	14·80	9 8	·036	16 26	·904	8
·925	·909	·908	·925	·958	·965	·985	·990	·986	·967	·965	14·77	8 46	·032	16 0	·904	9
·947	·941	·953	·963	·987	30·006	30·030	30·031	30·025	30·010	·994	15·73	9 0	·067	15 45	·933	10
·970	·957	·968	·977	30·003	·016	·025	·030	·031	·007	30·022	16·67	8 55	**·101**	16 0	·955	11
·964	·957	·956	·978	·002	·024	·039	·041	·040	·031	·017	16·54	9 34	·094	16 8	·950	12
·988	·981	·988	·986	·002	·012	·017	·024	·029	·009	**·023**	**16·70**	9 0	·100	16 14	·974	13
·938	·932	·928	·935	29.956	29·978	29·989	·000	29·997	29·980	·982	15·27	9 10	·049	16 30	·923	14
·892	·889	·897	·905	·937	·948	·961	29·960	·958	·951	·946	14·10	8 50	·001	16 15	·881	15
·903	·891	·899	·913	·937	·957	·985	·987	·986	·967	·946	14·10	8 58	·009	15 52	·883	16
·893	·886	·891	·900	·917	·934	·952	·963	·965	·963	·943	14·00	8 52	·017	16 0	·881	17
·907	·897	·913	·921	·942	·964	·970	·967	·958	·945	·955	14·37	8 38	·031	15 50	·887	18
·878	·874	·880	·887	·900	·916	·933	·932	·924	·914	·925	13·07	8 35	29·983	16 34	·865	19
·900	·897	·897	·905	·932	·947	·964	·968	·965	·953	·931	13·53	9 15	·989	16 22	·881	20
·905	·915	·915	·925	·938	·961	·978	·978	·978	·967	·958	14·47	8 44	30·027	15 45	·899	21
·897	·894	·901	·908	·923	·948	·965	·966	·966	·956	·940	13·90	9 0	29·993	15 42	·889	22
·894	·881	·880	·889	·906	·922	·948	·944	·947	·941	·935	13·67	9 12	30·016	16 28	·876	23
·907	·900	·910	·930	·948	·968	·985	·986	·982	·970	·951	14·23	8 50	·014	16 0	·896	24
·900	·890	·892	·894	·901	·914	·940	·941	·946	·943	·943	14·00	9 14	·032	17 0	·884	25
·864	·854	·864	·870	·889	·908	·924	·923	·918	·895	·917	13·14	9 8	29·992	15 46	·846	26
·828	**·812**	·820	·828	·849	·872	·880	·883	·881	·862	**·867**	**11·44**	9 12	·938	15 52	**·806**	27
·855	·858	·867	·881	·899	·917	·933	·935	·933	·926	·901	12·53	9 30	·981	3 32	·839	28
·864	·863	·868	·880	·904	·920	·947	·944	·941	·928	·921	13·23	9 10	·993	15 48	·855	29
·859	·859	·872	·884	·900	·919	·936	·940	·925	·909	·911	12·93	9 6	·975	15 0	·851	30
·857	·840	·847	·853	·877	·892	·915	·916	·906	·897	·895	12·37	8 38	·965	15 52	·837	31
29·906	**29·899**	29·905	29·915	29·937	29·956	29·973	29·975	29·973	29·959	29·952						Mean.
—·046	**—·053**	—·047	—·037	—·015	+·004	+·021	+·023	+·021	+·007							Variation.
1012·70	**1012·51**	1012·67	1013·07	1013·74	1014·40	1015.00	1015·07	1015·00	1014·51		1014·27					Mean in milibars.
—1·57	**—7·76**	—1·60	—1·20	—·53	+·13	+·73	+·80	+·73	+·24							Variation in milibar.

RAINFALL (IN INCHES), 1934.

(Totals for periods of sixty minutes from full hour to full hour of local mean time.)

(FROM CASELLA SYPHON RAINGAUGE)

JUNE.

Date.	Hours (B. M. T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	0·02	..	..	..	..	..	..	..	..	..
8	..	..	..	..	0·51	0·34	0·01	..	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	0·50	1·57	0·20	0·20	0·13	0·02	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	0·38	0·11	..	..	..	..	..
12	..	..	..	0·04	..	..	..	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	0·03	0·01	0·02	..	..	..	..	..	..	0·01	..	..	..	0·05
15	..	..	..	..	..	..	0·06	..	..	..	..	..	..	..
16	..	..	0·06	0·03	..	..	0·01	..	..	0·02	..	0·69	0·05	0·34
17	0·22	..	0·27	0·03	0·03	0·01	0·21	0·10	0·08	0·01	0·06	0·10	0·14	0·57
18	..	..	0·04	0·07	..	..	0·02	..	..	0·01	0·13	..	0·09	..
19	..	..	0·03	0·09	..	..	..	..	..	..	..	..	..	..
20	..	0·23	..	0·08	..	..	0·02	..	0·03	..	0·06	0·07	0·05	0·01
21	0·06	..	0·02	..	..	0·04	0·28	0·01	0·03	0·81	0·96	0·13	0·16	0·07
22	0·02	0·31	..	0·01	0·06	0·30	0·41	0·29	0·21	0·12	0·06	0·11	0·02	0·03
23	0·51	0·01	..	..	0·12	..	..	..	..	0·01	..	..	..	..
24	..	0·05	..	..	..	..	..	..	0·01	..	..	..	..	0·07
25	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	..	..	0·03	..	0·05	0·03	..	..	0·29
27	0·22	0·20	0·10	0·16	0·28	0·29	0·17	0·06	0·04	0·07	..	..	0·01	0·01
28	0·04	..	..	0·05	0·01	..	..	..	..	..	0·05	..	0·03	0·05
29	0·04	..	..	0·01	..	0·01	..	..	0·01	0·02	..	0·01	..	..
30	..	..	..	..	..	..	..	..	0·01	..	0·14	..	..	..
Total .	1·14	1·31	2·11	0·77	1·23	1·12	1·21	0·87	0·53	1·13	1·49	1·11	0·55	1·49

JULY.

1	..	..	..	..	0·01	0·01	0·01	0·08	0·01	0·01	..	..	..	..
2	..	..	..	..	0·03	..	..	..	..	0·01	0·09	..	..	0·01
3	..	..	..	..	..	..	..	..	0·01	0·53	0·41	0·51	0·16	0·09
4	0·03	0·04	..	..	..	..	..	0·01	..	0·10	..	..	..	..
5	0·01	..	..	..	..	..	..	..	..	..	..	0·04	..	..
6	..	..	..	0·04	..	0·03	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	0·07	0·18	0·06	0·18	..	..	..
8	..	..	..	..	0·01	..	..	..	..	0·01	0·01	..	..	..
9	0·04	0·11	..	..	0·02	..	..	..	..	..	0·17	..	..	..
10	..	..	0·04	..	..	0·01	..	..	..	..	..	0·01	..	..
11	..	..	..	..	..	..	..	..	0·03	..	..	0·01	0·07	0·1
12	..	..	..	..	..	..	..	..	..	..	0·05	0·08	..	..
13	..	..	..	..	0·06	..	..	..	..	..	..	..	..	..
14	..	..	..	..	..	..	..	0·06	..	0·14	0·01	..	..	..
15	..	..	..	..	0·02	..	0·06	0·10	..	0·01	0·01	0·01	..	0·0
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	..	..	..	..	..	..	..	0·03	0 04	..	..	..	..	..
18	..	..	..	..	..	0·01	..	..	..	..	0·03	..	..	..
19	..	..	0·01	..	0·10	..	..	0·12	..	..	0·01	..	..	..
20	..	0·01	0·04	..	..	0·08	0·02	0·02	0·01	0·21	0·02	..	..	..
21	..	..	..	..	..	..	..	0·01	..	..	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	0·06	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	..	..	..	..	..	0·02	..	..	..	..	..
25	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	..	..	0·04	..	0·12	0·42	0·04	0·01	0·09
27	..	..	..	..	..	..	..	..	..	..	0·16	0·05	0·23	1·36
28	0·03	0·03	0·01	..	0·02	0·02	..	..	0·33	..	0·63	0·04	0·02	..
29	0·03	..	0·04	..	..	0·01	0·02	..	0·01	..	..	..	..	..
30	0·01	..	..	..	0·01	0·10	0·04	0·03	0.03	0·17	0·06	0·01	0·21	0·14
31	0·43	1·23	0·25	0·09	0·27	0·29	0·36	0·16	0·24	0·05	0·17	0·16	0·46	0·54
Total .	0·58	1·42	0·39	0·13	0·55	0·56	0·51	0·73	0·91	1·42	2·43	0·96	1·22	2·34

(Totals for periods of sixty minutes from full hour to full hour of local mean time.)

(FROM CASELLA SYPHON RAINGAUGE.)

JUNE

Hours (B. M. T.) 14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Daily total.	Maximum fall in one hour.	Time of occurrence.	Daily* total by Newman.	Date.
												H. to H.		
..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
..	..	..	..	..	..	..	..	..	..	..	..	..	..	4
..	..	..	..	..	..	..	..	..	..	..	..	..	..	5
..	..	..	..	..	..	..	..	..	..	..	..	..	..	6
..	..	..	..	..	..	..	..	..	..	0·02	0·02	4 5	0·02	7
..	..	..	..	..	..	..	..	..	..	0·86	0·51	4 5	0·88	8
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	9
..	..	..	..	..	..	..	..	..	..	2·62	1·57	2 3	2·65	10
..	..	..	..	..	..	..	..	..	..	0·49	0·38	7 8	0·55	11
..	..	..	0·08	1·19	0·03	..	..	..	..	1·34	1·19	18 19	1·27	12
..	1·25	..	..	..	..	..	..	..	..	1·25	1·25	15 16	1·28	13
0·01	0·01	..	..	..	..	..	..	..	..	0·14	0·05	13 14	0·12	14
0·20	0·78	0·03	0·02	0·13	0.31	0·07	0·02	0·03	..	1·65	0·78	15 16	1·63	15
0·49	0·11	0·04	..	..	0·48	0·04	0·43	..	..	2·79	0·69	11 12	2·78	16
0·07	..	0·33	..	0·01	..	..	..	0·02	..	2·26	0·57	13 14	2·22	17
..	..	..	..	..	0·01	0·01	0·48	..	..	0·86	0·48	0 48	0·83	18
..	..	..	..	..	..	..	..	..	0·05	0·17	0·09	3 4	0·19	19
0·05	0·05	..	0·38	0·29	0·01	..	0·02	..	..	1·35	0·38	17 18	1·35	20
0·02	..	..	0·05	0·26	0·05	0·07	0·01	0·08	..	3·11	0·96	10 11	3·13	21
0·59	0·92	..	0·28	0·04	0·18	0·04	0·01	..	0·05	4·89	0·92	15 16	4·58	22
..	..	..	..	..	..	..	..	..	..	0·65	0·51	0 1	0·65	23
0·03	..	..	..	..	0·04	..	..	..	..	0·20	0·07	13 14	0·18	24
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	25
0·09	0·02	0·01	..	0·19	0·06	0·05	0·05	..	0·03	0·90	0·29	13 14	0·89	26
0·05	0·24	0·06	0·01	0·02	0·01	..	0·02	..	..	2·02	0·29	5 6	2·03	27
0·31	0·01	0·05	..	..	0·27	0·05	0·04	0·03	0·01	1·00	0·31	14 15	0.96	28
..	0·02	..	..	0·12	0·01	..	..	0·01	0·01	0·27	0·12	18 19	0·26	29
..	..	0·40	..	0·01	..	..	..	0·04	..	0.60	0·40	16 17	0·61	30
1·91	3·41	1·75	0.82	2·26	1·46	0·33	1·08	0·21	0·15	29.44	..	..	29·06	Total.

JULY.

..	..	..	..	..	..	..	..	..	0·01	0.14	0.08	7 8	0·14	1
..	..	..	..	0·04	..	0·01	..	..	..	0·19	0·09	10 11	0·18	2
..	0·01	0·04	..	..	..	..	..	..	..	1·76	0·53	9 10	1·77	3
..	..	0·18	0·08	..	..	..	..	..	0·03	0·47	0·18	16 17	0·45	4
..	..	..	0.03	..	..	..	..	..	..	0·08	0·04	11 12	0·09	5
..	..	0·01	..	..	..	..	..	..	..	0·08	0·04	3 4	0·08	6
..	0.15	0·06	..	..	..	..	..	..	..	0·70	0·18	8 9	0·69	7
..	..	..	0·02	..	0·07	..	..	..	..	0·12	0·07	19 20	0·12	8
..	..	0·01	..	..	..	..	..	..	..	0·35	0·17	10 11	0·35	9
0.03	..	..	0·02	..	0·12	..	..	..	..	0·23	0·12	19 20	0·24	10
..	0·01	0·03	0·21	..	..	..	..	..	..	0·46	0·21	17 18	0·47	11
..	0·01	0·17	..	..	..	..	..	..	..	0·31	0·17	16 17	0·34	12
..	..	..	..	..	..	..	..	..	..	0·06	0·06	4 5	0·04	13
..	0·13	0·01	0·01	..	0·02	..	..	..	0.02	0·40	0·14	9 10	0·42	14
..	..	..	..	..	..	..	0·03	0·08	..	0·33	0·10	7 8	0·33	15
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	16
..	..	0·11	0·14	..	..	..	..	..	..	0·32	0·14	17 18	0·33	17
..	0·06	..	..	..	..	..	..	0·09	0·01	0·20	0·09	22 23	0·19	18
..	..	..	..	..	..	..	..	..	..	0·27	0·12	7 8	0·27	19
..	..	..	..	..	0·03	..	0·01	..	..	0·42	0·21	9 10	0·48	20
0·01	..	..	..	..	..	..	0·01	0·14	..	0.17	0.14	22 23	0·16	21
..	..	..	..	..	..	0·01	..	0·02	0·03	0·12	0.06	12 13	0.14	22
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	23
..	..	..	..	..	..	..	..	..	..	0·02	0·02	8 9	0·03	24
..	..	..	..	..	..	..	..	..	..	0.00	..	..	0·00	25
..	..	..	..	..	..	..	..	..	..	0·72	0·42	10 11	0·73	26
0·85	0·35	0.21	0·09	0·48	0·08	0·48	0.20	0·05	0·02	4·61	1 36	13 14	4·57	27
..	..	0·17	0·08	0·13	..	0·01	0·75	0·33	0·29	2·89	0·75	21 22	2·81	28
..	..	0·01	..	0·08	0·07	0·06	0.03	0·01	0·02	0·39	0·08	18 19	0·47	29
0.03	0·04	0·23	0·37	0·11	0·21	..	..	..	0·01	1·81	0·37	17 18	1·80	30
0.04	0·02	..	0·05	0·03	..	..	..	0·03	0·19	5·11	1·23	1 2	5·05	31
							0.05							
0.96	0·78	1·24	1·10	0·87	0·60	0·57	1·08	0·75	0·63	22·73	..	..	22·74	Total.

* Adopted as the standard instrument in the Observatory since 1845.

RAINFALL (IN INCHES), 1934.

(Totals for periods of sixty minutes from full hour to full hour of local mean time.

AUGUST. (FROM CASELLA SYPHON RAIN GAUGE.)

Date.	Hours. (B. M. T.)													
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14
1	0·12	..	..	..	..	0·02	..	..	0·04	..	..	0·07	0·22	0·10
2	..	0·05	0·46	0·44	0·09	..	0·22	0·28	0·40	0·10	0·02	0·34	0·04	..
3	..	..	0·01	..	..	..	..	0·07	..	..	..	..	..	0·04
4	0·02	..	0·15	0·02	..	0·06	0·01	..	0·01	..	..	..	0·04	..
5	..	..	0·01	..	..	..	0·02	0·07	0·07	..	..	..	..	..
6	..	..	..	..	..	0·01	..	0·01	0·04	0·01	..	..	..	..
7	..	..	..	0·03	..	0·05	0·04	0·17	..	..	..	..	..	..
8	..	..	0·05	0·09	..	0·05	..	..	0·19	..	..	..	..	..
9	..	0·03	0·03	..	..	..	..	..	..	..	..	..	..	0·05
10	..	..	0·03	..	0·03	0·01	0·01	..	..	..	0·13	0·05	..	..
11	..	0·06	..	..	..	0·03	0·02	0·01	..	..	..	..	0·09	..
12	0·13	..	0·01	..	..	0·01	0·01	0·01	..	..	..	..	..	..
13	0·05	0·02	0·03	0·02	..	..	..	..	..	..	..	..	..	..
14	0·01	..	..	..	0·02	..	0·04	..	..	..	0·19	0·08	..	0·01
15	0·02	0·02	..	0·02	..	..	0·04	0·01	0·01	0·03	0·01	0·02	0·01	..
16	0·01	..	0·04	..	0·01	0·01	0·02	..	..	..	..	..	0·07	0·12
17	..	..	..	..	0·04	..	..	0·01	..	..	..	0·07	0·01	..
18	0·02	..	..	..	..	..	0·01	..	..	..	..	..	..	..
19	..	0·01	..	0·01	0·02	..	0·01	0·08	..	..	..	..	..	..
20	0·04	..	..	..	..	..	..	..	..	..	..	0·02	..	..
21	..	..	..	..	..	..	..	0·01	..	..	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	0·01	0·11
23	0·01	..	..	..	0·01	..	..	..	..	..	..	..	..	..
24	..	0·01	..	..	..	..	..	..	..	..	..	..	..	..
25	..	0·01	..	..	..	..	..	..	..	..	..	..	..	..
26	0·01	..	..	..	..	..	..	..	..	..	0·01	..	..	..
27	..	..	0·17	..	..	..	..	..	..	..	..	..	..	..
28	..	..	..	..	..	..	..	..	..	..	..	..	..	..
29	..	..	..	..	..	..	..	..	..	..	..	..	..	0·04
30	..	..	..	..	..	0·08	..	..	..	0·07	..	..	..	..
31	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals .	0·44	0·21	0·99	0·63	0·22	0·33	0·45	0·73	0·76	0·21	0·36	0·65	0·49	0·47

RAINFALL (IN INCHES), 1934.

(Totals for periods of sixty minutes from full hour to full hour of local mean time.)

AUGUST. (FROM CASELLA SYPHON RAIN GAUGE)

Hours. (B. M. T.)										Daily Total.	Maximum fall in one hour.	Time of occurrence.	Daily* total by Newman.	Date.
14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24			H. to H.		
0·18	0·05	0·33	0·13	0·39	0·10	0·12	0·01	0·34	0·08	2·30	0·39	18 19	2·34	1
0·01	0·11	0·09	0·02	0·06	0·31	0·09	0·03	0·03	..	3·19	0·46	2 3	3·15	2
0·06	..	..	0·01	..	..	..	0·04	..	..	0·23	0·07	7 8	0·21	3
..	0·01	..	..	0·01	..	..	0·01	..	0·01	0·35	0·15	2 3	0·33	4
0·01	0·02	..	..	..	..	..	..	..	..	0·20	0·07	7 8	0·19	5
..	..	..	..	0·01	..	..	..	..	..	0·08	0·04	8 9	0·08	6
0·03	..	..	..	..	..	..	..	0·02	..	0·34	0·17	7 8	0·35	7
0·10	0·15	..	0·27	..	..	..	..	..	0·01	0·91	0·27	17 18	0·87	8
..	..	..	..	0·04	..	..	0·02	..	0·01	0·18	0·05	13 14	0·16	9
0·01	0·02	..	0·01	..	..	..	..	0·10	..	0·40	0·13	10 11	0·40	10
..	..	..	..	..	0·02	..	..	..	..	0·23	0·09	12 13	0·22	11
..	..	..	..	0·06	0·02	..	..	..	0·07	0·32	0·13	0 1	0·33	12
..	..	..	..	..	..	..	..	0·06	..	0·18	0·06	22 23	1·19	13
..	0·02	..	0·01	..	..	..	..	..	0·15	0·53	0·19	10 11	0·49	14
0·06	0·01	..	..	0·03	0·14	..	..	0·01	..	0·44	0·14	19 20	0·43	15
0·02	0·01	..	..	..	..	..	..	..	..	0·31	0·12	13 14	0·30	16
..	..	0·01	..	0·02	0·01	..	0·01	..	0·05	0·23	0·07	11 12	0·25	17
..	..	..	..	0·01	..	0·01	0·03	..	..	0·08	0·03	17 18	0·07	18
0·01	..	..	0·03	..	0·02	0·02	..	..	..	0·21	0·08	7 8	0·20	19
..	..	..	..	..	..	..	..	..	..	0·06	0·04	0 1	0·06	20
..	0·01	..	..	..	..	..	..	..	..	0·02	0·01	7 8	0·03	21
..	..	..	0·12	0·05	..	0·01	..	..	..	0·30	0·12	17 18	0·31	22
..	..	..	0·07	0·01	0·01	..	..	..	..	0·11	0·07	17 18	0·11	23
..	..	..	0·08	0·02	..	0·05	0·06	0·01	..	0·23	0·08	17 18	0·23	24
..	..	0·07	..	..	..	..	0·10	..	..	0·18	0·10	21 22	0·19	25
..	0·02	0·11	..	..	..	0·01	..	..	..	0·16	0·11	16 17	0·17	26
..	..	..	0·07	..	..	..	..	..	..	0·24	0·17	2 3	0·22	27
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	28
..	..	..	..	0·01	0·01	..	..	..	..	0·06	0·04	13 14	0·06	29
..	..	..	..	..	..	..	..	..	..	0·15	0·08	5 6	0·15	30
..	..	..	..	0·05	0·01	..	..	..	..	0·06	0·05	18 19	0·05	31
0·49	0·43	0·61	0·82	0·77	0·65	0.31	0·31	0·57	0·38	12·28	..	..	12·14	Total.

* Adopted as the standard instrument in the Observatory since 1845.

RAINFALL (IN INCHES), 1934.

(Totals for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER.

(FROM CASELLA SYPHON RAIN GAUGE.)

Date.	Hours (B. M. T.).													
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	0·02	..	..	..	0·04	0·11	0·09	0·15	0·01	0·10	0·28	..	..	..
3	..	0·05	0·04	..	0·01	..	..	0·15	..	..	..	..	..	..
4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	..	..	..	..	..	..	0·05	..	..	..	..	..	..	0·01
6	..	..	..	..	..	..	0·01	..	0·01	..	..	0·10	0·16	0·48
7	..	0·03	..	..	..	..	..	..	..	0·01	0·01	0·02	..	..
8	..	..	..	..	0·08	..	..	..	..	..	..	0·11	..	..
9	..	..	0·02	0·17	..	..	..	..	..	..	..	0·01	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	0·02	..	..	..	..	..	0·09	..	..	..	..	..	..	..
12	..	..	..	..	..	..	0·11	0·01	..	0·01	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	..	..	..	..	..	..	..	..	..	0·08	..	..	0·02	..
15	..	..	..	..	0·04	0·02	..	..	..	..	..	..	..	..
16	..	..	..	..	..	..	..	..	0·01	..	..	0·01	..	..
17	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	..	0·03	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	..	..	..	..	..	..	..	..	0·06	..	0·12
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	0·08	..	..	..	0·04	..	..	..	0·01	..	..	..	..
22	..	0·01	..	..	..	..	0·02	..	..	0·01	..	..	..	..
23	..	..	..	0·01	..	..	0·02	..	..	..	..	..	..	..
24	0·01	0·02	..	..	..	..	..	..	..	..	..	..	..	..
25	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	0·01	..	..	..	..	..	..	..	..
27	..	..	..	..	..	0·01	0·03	..	..	..	..	..	..	..
28	..	0·02	0·05	0·11	..	..	..	..	..	..	..	..	..	..
29	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total .	0·05	0·24	0·11	0·29	0·17	0·19	0·42	0·31	0·03	0·22	0·29	0·31	0·18	0·61

† NOVEMBER.

1	..	..	..	..	..	..	..	..	0·02	..	..	0·02	0·05	0·17
2	0·25	0·13	0·15	0·22	0·26	0·49	0·11	0·03	0·01	0·07	0·02	..	0·04	0·08
3	0·01	..	..	..	..	..	..	0·01	..	0·01	0·03	0·01	0·06	0·01
Total .	0·26	0·13	0·15	0·22	0·26	0·49	0·11	0·04	0·03	0·08	0·05	0·03	0·15	0·26

(Totals for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER.

(FROM CASELLA SYPHON RAIN GAUGE.)

Hours (B. T. M.)										Daily total.	Maximum fall in one hour.	Time of occurrence.	Daily* total by Newman.	Date.
14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24			H. to H.		
..	..	..	0.07	0·18	0·02	..	..	..	..	0·27	0·18	18 19	0·30	1
..	..	..	..	..	..	0·02	0·02	..	..	0·84	0·28	10 11	0·83	2
..	..	..	..	..	..	..	..	..	..	0·25	0·15	7 8	0.25	3
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	4
..	..	..	..	..	..	..	..	..	..	0·06	0·05	6 7	0·06	5
0·16	0·03	0·02	0·02	..	0·01	0.02	0·06	0·04	..	1·12	0·48	13 14	1·12	6
0·03	0·05	..	..	0·04	..	..	..	..	..	0·19	0·05	15 16	0·18	7
0·01	..	..	..	0·02	..	..	0·03	0·17	..	0·42	0·17	22 23	0·42	8
..	0·06	0·02	..	..	..	..	0·08	..	..	0.36	0·17	3 4	0·35	9
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	10
..	..	..	..	..	..	..	..	..	..	0·11	0·09	6 7	0·12	11
..	..	..	..	..	..	..	..	..	..	0·13	0·11	6 7	0·14	12
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	13
0·01	..	0·06	0·02	..	..	..	0·02	..	0·12	0·33	0·12	23 24	0·35	14
..	..	0·03	..	..	..	..	..	..	..	0·09	0·04	4 5	0·08	15
..	..	..	..	..	..	..	..	..	..	0·02	0·01	8 9	0·02	16
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	17
..	..	0·01	..	..	..	..	..	..	..	0·04	0·03	1 2	0·04	18
..	..	..	..	..	..	..	..	..	..	0·18	0·12	13 14	0·19	19
..	..	..	..	0·04	..	..	..	..	..	0·04	0·04	18 19	0·04	20
..	..	..	..	..	..	..	..	..	..	0·13	0·08	1 2	0·13	21
..	..	..	..	..	..	..	..	..	..	0·04	0·02	6 7	0·04	22
..	..	..	..	..	..	..	..	..	..	0·03	0·02	6 7	0·04	23
..	..	..	..	..	..	..	..	..	..	0.03	0·02	1 2	0·04	24
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	25
..	..	..	..	..	..	..	..	..	..	0·01	0·01	5 6	0·01	26
0·01	..	..	..	..	..	..	..	..	..	0·05	0·03	6 7	0·05	27
..	0·25	0·62	..	..	..	..	..	..	..	1·05	0·62	16 17	1·03	28
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	29
..	..	..	..	..	..	..	..	..	..	0·00	..	..	0·00	30
0·22	0·39	0·76	0·11	0·28	0·03	0·04	0·21	0·21	0·12	5·79	..	..	5·83	

† NOVEMBER.

0·10	0·08	0·23	0·07	..	..	..	..	0·22	0·29	1·25	0·29	23 24	1·28	1
0·06	0·01	0·03	0·01	..	..	..	0·01	..	..	1·98	0·49	5 6	1·80	2
0·01	..	..	..	..	..	..	..	..	..	0·15	0·06	12 13	0·15	3
0·17	0·09	0·26	0·08	..	..	..	0·01	0·22	0·29	3·38	..	..	3·23	Total.

* Adopted as the standard instrument in the Observatory since 1845.

† There was no rain on days not included in this table.

NOTE.—There was a fall of 0·04″ of rain on the 18th March between 21h and 22h, 0·14″ on the 12th October between 20h and 22h, 0·06″ on the 13th October between 2h and 4h and 0·01″ on the 30th October between 16h and 17h. The months of January, February, April and May were dry.

Total rainfall in the year was 73·83″ by the Casella Syphon Raingauge and 73·25″ by Newman; the difference is due to the difference in heights of the receiving funnels of the two instruments.

Total number of rainy days in the year was 86 according to both the instruments, assuming a rainy day to be one on which a tenth of an inch or upwards has fallen.

The greatest fall of rain during a day in the year, that of 31st July, was 5·11″ by the Casella Syphon Raingauge and 5·05 by Newman.

WIND VELOCITY, 1934.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JANUARY. (IN MILES PER HOUR.)

Date.	Hours (B. M. T.).														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	7	7	8	6	8	7	9	6	9	8	5	6	4	7	9
2	7	8	7	9	9	12	13	13	10	8	4	4	6	9	10
3	6	8	7	7	8	9	8	9	9	7	7	5	5	7	8
4	6	7	8	7	8	8	9	7	8	8	6	4	4	3	5
5	3	3	2	2	3	5	6	8	9	6	5	3	6	9	9
6	5	4	4	7	9	8	8	9	6	4	5	5	7	10	9
7	4	3	4	4	4	4	4	3	3	5	3	5	8	9	11
8	5	3	4	4	6	5	5	3	5	7	7	8	11	15	18
9	6	8	8	7	7	6	6	5	5	6	5	6	10	11	10
10	5	5	5	5	4	4	5	5	4	5	5	4	7	9	11
11	8	8	9	9	10	6	5	4	8	8	7	11	13	16	19
12	7	8	7	8	8	7	8	8	10	13	16	18	21	20	23
13	9	9	9	12	11	9	12	12	13	12	14	13	10	10	11
14	9	8	7	8	7	7	8	5	6	8	6	10	14	16	18
15	14	10	10	6	6	8	8	6	6	7	6	6	12	12	14
16	6	5	6	6	6	6	7	6	5	4	4	7	8	7	9
17	5	4	6	7	8	7	7	6	5	6	5	7	8	11	13
18	4	4	4	5	5	5	7	7	6	6	3	3	7	7	18
19	4	3	2	2	5	7	7	7	5	3	7	11	12	14	15
20	6	7	9	13	12	9	12	11	12	6	6	10	12	14	26
21	11	11	11	12	11	8	9	7	8	8	12	14	16	19	10
22	12	9	8	8	8	9	8	7	5	7	8	7	7	9	2
23	11	13	14	13	14	16	17	15	15	15	13	11	8	5	8
24	4	5	8	10	11	12	12	13	14	12	10	9	5	4	6
25	5	5	5	5	8	7	7	7	5	5	2	4	6	8	9
26	7	7	8	7	6	8	8	8	7	5	5	5	4	6	10
27	4	5	5	5	6	5	6	6	5	3	3	4	5	7	8
28	5	5	4	3	3	4	4	4	3	7	10	12	13	13	14
29	3	5	4	7	4	5	4	3	2	6	12	16	16	15	14
30	8	3	11	11	14	14	14	10	10	11	13	14	14	13	14
31	7	10	3	5	7	6	7	7	8	8	7	6	9	10	13
Mean ..	6·5	6·4	6·7	7·1	7·6	7·5	8·1	7·3	7·3	7·2	7·1	8·0	9·3	10·5	12·1

FEBRUARY.

1	6	10	14	16	17	17	17	16	13	12	9	7	6	8	13
2	4	4	5	5	5	7	10	10	9	9	7	5	4	4	7
3	5	5	6	6	5	6	6	5	5	3	3	5	7	9	11
4	6	5	5	5	5	6	9	4	4	5	2	2	5	8	10
5	4	3	4	5	6	7	9	6	3	3	1	2	4	7	9
6	3	3	4	6	6	7	9	3	3	3	4	5	8	10	10
7	4	3	5	6	6	10	9	9	7	8	5	4	3	8	8
8	5	3	3	5	3	3	5	4	4	5	3	6	7	8	8
9	1	1	1	2	5	4	5	6	7	6	3	8	9	10	10
10	1	1	3	3	4	9	9	6	5	4	5	5	4	5	7
11	2	4	4	3	4	3	4	6	6	6	5	4	6	8	9
12	3	4	4	5	6	5	5	6	5	4	7	9	9	10	9
13	5	5	3	4	6	5	6	7	7	5	8	9	8	8	10
14	1	2	2	2	2	2	2	2	3	4	3	3	7	9	9
15	2	3	3	3	2	3	3	3	4	3	3	4	6	8	9
16	3	4	4	3	3	3	4	4	6	5	4	3	7	11	10
17	2	2	3	4	4	4	5	5	5	4	4	4	8	10	12
18	7	6	8	8	6	4	4	6	7	5	4	6	8	9	10
19	10	9	8	7	6	5	7	5	4	3	5	10	12	12	13
20	7	9	10	9	10	10	9	6	4	5	4	5	9	11	13
21	5	7	7	7	8	7	6	4	5	5	8	11	12	12	13
22	4	4	5	5	7	7	8	11	12	11	11	13	14	13	12
23	2	1	2	4	5	5	5	5	5	5	9	9	8	10	11
24	5	3	4	5	4	5	5	2	6	5	3	6	11	12	13
25	4	3	4	5	4	4	4	5	7	5	7	10	10	13	12
26	9	6	5	6	6	6	4	4	3	3	8	10	11	11	11
27	5	5	6	7	6	6	6	5	4	4	2	9	11	11	10
28	3	4	5	4	4	4	4	3	5	6	8	9	10	12	13
Mean ..	4·2	4·3	4·9	5·4	5·5	5·9	6·4	5·6	5·6	5·2	5·2	6·5	8·0	9·5	10·4

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JANUARY. (IN MILES PER HOUR.)

Hours (B. M. T.).									Mean.	Mean by Beckley's.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
9	9	9	8	8	7	6	5	5	7·2	4·3	15 38	11	7 55	3	1
11	9	8	7	6	6	6	7	6	8·1	5·3	6 50	16	10 6	3	2
9	9	8	8	7	5	5	5	5	7·1	4·5	7 47	12	22 2	4	3
8	7	6	6	5	4	4	4	4	6·1	4·2	15 20	12	13 55	3	4
10	12	13	13	10	8	7	7	6	6·9	5·3	18 43	17	0 21	2	5
7	8	10	10	10	7	4	3	4	6·8	5·2	13 35	14	11 30	2	6
12	13	12	13	13	9	6	4	4	6·7	5·4	18 33	18	8 40	1	7
19	19	17	15	15	11	9	7	5	9·3	7·5	16 12	26	10 16	0	8
9	11	11	11	12	11	12	9	7	8·3	6·7	19 26	17	8 3	1	9
14	15	13	12	12	10	8	8	7	7·6	5·6	15 50	21	8 50	1	10
18	18	17	16	16	14	12	6	8	11·1	8·6	14 20	26	7 43	2	11
24	22	19	16	15	16	16	16	16	14·3	10·9	15 6	33	9 13	3	12
12	15	15	15	15	12	10	9	7	11·4	8·7	10 18	22	8 54	4	13
17	18	16	15	15	15	14	15	12	11·4	8·9	16 32	26	8 22	3	14
13	18	17	15	13	11	10	10	7	10·4	7·9	17 6	25	11 10	2	15
11	12	12	11	10	10	13	9	7	7·8	5·6	21 9	21	9 30	2	16
13	14	14	15	14	11	11	7	6	8·7	6·5	16 52	21	10 15	2	17
8	8	11	11	12	6	3	2	4	6·1	4·3	19 35	15	21 05	2	18
15	15	13	13	13	12	9	8	7	8·7	6·7	15 54	22	10 15	1	19
19	19	20	17	16	14	13	9	10	12·2	9·5	17 10	26	10 5	2	20
20	18	17	17	15	13	12	12	11	13·0	10·2	14 12	27	7 40	3	21
15	16	16	15	13	7	6	5	6	9·3	6·7	17 10	23	9 12	2	22
11	14	13	15	13	11	9	7	5	11·9	8·7	18 6	21	13 15	3	23
9	10	9	9	11	10	7	5	6	8·8	6·3	8 20	17	0 40	3	24
9	7	7	5	4	5	5	7	7	6·0	4·1	15 30	13	11 16	1	25
12	11	9	11	9	7	6	4	3	7·2	5·1	18 25	15	9 10	2	26
9	10	9	8	5	5	5	4	5	5·7	4·0	16 12	13	9 50	3	27
17	17	14	8	5	4	4	3	2	7·4	5·4	15 34	24	23 4	1	28
16	17	15	14	10	9	10	10	9	9·3	7·3	12 14	24	8 59	0	29
15	16	16	15	15	14	14	10	11	12·8	10·0	16 53	23	7 30	4	30
16	20	19	17	15	12	9	6	5	9·4	7·2	16 45	27	10 2	3	31
13·3	13·7	13·1	12·3	11·4	9·5	8·5	7·2	6·7	8·9	6·7					Mean.

FEBRUARY.

15	16	15	14	13	13	8	7	4	11·9	8·8	5 7	24	23 46	3	1
11	9	10	10	9	11	9	7	6	7·4	5·5	15 13	15	1 35	3	2
15	17	14	14	11	7	6	4	3	7·4	5·7	16 15	23	10 55	1	3
11	12	14	15	14	9	8	7	3	7·3	5·2	18 42	19	8 20	1	4
9	12	14	15	14	13	7	10	7	7·3	5·1	18 46	19	8 28	0	5
11	13	13	12	7	4	4	6	4	6·6	4·6	16 32	19	7 50	0	6
8	8	6	6	6	4	3	4	5	6·0	4·5	6 7	13	1 53	1	7
9	11	13	13	13	10	6	6	3	6·5	5·2	18 28	18	10 28	0	8
10	12	11	12	11	10	5	4	4	6·5	5·3	16 46	17	2 8	1	9
11	11	11	10	5	3	1	1	2	5·3	4·2	16 32	16	22 58	1	10
10	11	11	9	2	3	4	4	3	5·5	4·2	16 30	16	3 27	0	11
9	7	5	3	3	3	3	3	3	5·4	3·6	13 33	16	18 18	2	12
11	10	8	5	3	3	2	1	1	5·8	4·8	15 25	15	22 50	1	13
10	11	9	7	6	5	3	2	2	4·5	3·3	16 30	16	0 40	1	14
9	10	8	6	6	5	4	3	3	4·7	2·9	15 12	14	9 7	0	15
10	12	8	6	7	4	3	2	2	5·3	4·3	16 26	15	9 57	2	16
13	12	14	11	8	8	10	6	6	6·8	5·3	17 2	19	11 25	1	17
12	14	15	15	14	11	5	6	8	8·3	6·7	18 20	21	7 15	1	18
14	15	16	14	12	11	7	9	8	9·3	7·3	17 15	22	10 0	1	19
13	14	13	13	13	7	6	4	5	8·7	7·0	16 40	19	9 2	0	20
14	14	14	12	11	9	7	6	4	8·7	7·0	15 54	20	7 20	1	21
13	11	8	5	5	3	3	3	2	7·9	6·6	12 28	20	20 56	2	22
11	10	8	8	7	6	8	7	5	6·5	5·5	14 55	15	7 59	1	23
13	13	11	9	8	8	7	6	5	7·0	5·7	16 50	17	7 45	0	24
12	13	14	14	10	10	9	9	9	8·2	6·6	18 10	19	10 12	0	25
15	16	15	14	12	12	11	7	6	8·8	6·7	16 35	22	8 30	0	26
8	9	10	10	6	5	5	4	4	6·6	4·8	12 48	17	10 34	1	27
13	12	11	11	9	8	6	5	5	7·3	5·5	15 39	18	7 50	0	28
11·4	12·0	11·4	10·5	8·7	7·3	5·7	5·1	4·4	7·0	5·4					Mean.

WIND VELOCITY, 1934.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MARCH. (IN MILES PER HOUR.)

Date.	Hours (B. M. T.).														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	4	3	7	6	6	7	7	7	6	5	7	10	11	11	12
2	7	8	7	7	7	7	6	4	4	6	6	10	13	15	18
3	14	15	15	15	12	10	10	9	10	9	14	16	16	16	16
4	13	13	8	6	6	8	7	7	9	11	13	16	16	17	18
5	5	5	4	4	5	6	5	5	9	5	6	10	11	13	13
6	9	5	4	4	4	4	7	7	7	5	5	7	10	10	11
7	3	5	5	5	5	6	8	9	7	7	11	12	12	13	14
8	3	3	6	7	5	6	7	7	8	7	5	5	11	12	13
9	5	6	6	5	6	6	5	7	9	10	11	12	13	15	17
10	9	8	8	9	9	9	8	8	7	4	3	8	10	14	15
11	6	7	8	6	5	6	4	4	7	10	10	11	13	14	14
12	10	7	4	4	5	5	5	4	5	8	11	14	14	13	14
13	6	6	5	4	3	4	3	3	4	3	5	8	9	11	11
14	3	4	6	5	7	7	6	5	5	5	3	10	13	16	16
15	4	5	7	6	6	6	6	4	4	5	6	7	8	12	15
16	5	5	10	12	13	12	12	11	12	10	8	8	9	10	9
17	12	12	11	11	7	7	3	3	1	4	5	5	6	8	9
18	6	3	3	1	1	4	4	1	4	5	6	10	11	13	13
19	2	1	4	3	6	4	5	7	9	9	11	12	13	13	11
20	11	10	7	5	4	4	2	3	5	5	3	6	8	11	11
21	8	9	6	2	2	2	1	1	2	3	4	5	7	7	11
22	3	2	2	2	4	5	5	1	2	3	5	7	11	11	10
23	5	3	5	4	5	8	10	6	3	3	6	7	9	10	10
24	2	2	2	3	2	2	1	3	3	3	7	8	11	15	16
25	12	8	10	10	10	8	5	7	9	6	10	12	14	18	21
26	12	5	4	5	5	4	3	6	10	10	12	12	13	15	16
27	13	14	9	5	9	9	6	3	3	3	9	11	11	13	13
28	9	12	9	10	7	5	4	1	3	4	5	8	9	10	12
29	4	5	4	4	7	4	5	7	7	6	7	9	8	10	10
30	3	2	2	1	1	2	2	1	3	5	9	15	9	10	10
31	6	4	5	6	5	4	1	3	2	2	5	7	7	8	10
Mean ..	6·9	6·4	6·2	5·7	5·8	5·8	5·3	5.0	5·8	5·8	7·4	9·6	10·8	12·4	13·2

APRIL.

1	4	3	2	2	3	5	6	6	7	9	8	7	10	10	10
2	2	2	2	5	7	6	5	1	1	4	4	6	9	13	15
3	7	3	3	3	4	5	3	1	3	7	10	8	9	9	9
4	3	1	1	1	1	1	3	5	4	3	4	5	8	9	12
5	2	3	2	2	2	4	10	11	8	9	10	9	10	11	11
6	2	3	3	3	1	3	2	4	10	7	11	12	12	10	12
7	8	5	3	2	2	2	1	1	3	3	3	8	9	11	11
8	4	3	2	2	1	1	1	1	1	2	5	7	8	10	11
9	7	5	4	3	3	3	1	1	3	3	3	7	10	12	14
10	4	4	8	14	14	12	9	6	4	4	6	8	9	10	11
11	1	5	10	11	8	9	7	3	4	5	4	6	9	13	16
12	4	3	2	2	1	1	0	1	4	6	6	8	8	8	11
13	9	7	5	3	2	2	4	5	6	9	11	8	7	10	11
14	6	5	4	5	5	5	6	8	3	6	10	10	9	12	13
15	16	13	10	10	9	9	8	8	7	3	6	6	7	8	9
16	2	3	4	4	2	2	1	5	5	6	8	7	10	12	11
17	7	6	7	7	6	4	4	5	4	4	5	6	8	10	12
18	3	3	3	4	4	3	1	3	6	4	4	5	6	8	9
19	3	2	3	4	8	6	6	6	8	7	6	6	7	8	10
20	4	3	3	3	4	5	5	5	6	6	6	7	8	10	13
21	3	2	1	1	2	3	4	6	4	4	5	6	8	10	9
22	1	1	1	3	1	2	6	6	4	5	7	7	8	11	13
23	8	7	7	7	6	4	2	2	4	7	11	12	14	14	14
24	7	7	7	7	5	5	5	5	8	11	15	16	16	16	16
25	12	11	11	11	10	6	4	5	9	12	16	21	21	20	18
26	14	13	14	13	13	13	10	10	8	9	9	11	11	12	13
27	12	11	6	5	4	5	5	6	6	2	6	10	13	14	14
28	10	12	11	7	5	5	3	3	7	10	11	11	11	14	15
29	3	2	3	3	3	3	5	5	4	4	3	5	6	10	12
30	6	5	6	7	6	5	4	3	3	6	7	7	8	9	11
Mean ..	5·8	5·1	4·9	5·1	4·7	4·6	4·4	4.6	5·1	5·9	7·3	8·4	9·6	11·1	12·2

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MARCH. (IN MILES PER HOUR.)

Hours (B. M. T.)									Mean.	Mean by Beckley's.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
13	12	12	11	11	8	5	6	6	8·0	6·3	15 55	18	10 15	0	1
19	19	19	16	14	12	8	7	7	10·3	8·0	17 20	27	9 0	1	2
16	16	16	16	13	12	13	12	14	**13·5**	**10·6**	15 41	22	9 35	3	3
20	19	16	14	13	11	6	6	6	11·6	9·0	15 5	27	8 56	3	4
12	13	11	10	9	7	8	7	7	7·9	6·4	14 15	17	10 8	0	5
14	14	13	12	11	7	2	5	3	7·5	5·7	15 25	20	21 7	2	6
14	15	15	16	14	11	8	5	5	9·4	7·2	18 2	20	9 30	2	7
14	14	13	11	11	12	10	8	5	8·5	6·6	16 8	20	7 45	1	8
17	17	17	15	13	9	7	6	7	10·0	7·7	15 56	23	8 13	2	9
16	14	13	10	9	8	6	7	7	9·1	6·9	15 18	20	9 56	0	10
13	12	13	11	11	13	13	13	10	9·7	7·7	14 45	21	7 18	2	11
14	13	11	7	5	4	4	5	5	8·0	6·3	11 49	20	7 45	2	12
12	10	7	7	7	6	6	4	3	6·1	4·9	15 52	17	7 42	1	13
18	**21**	21	19	17	16	10	7	3	10·1	8·2	17 53	**30**	10 43	1	14
18	17	16	15	14	10	3	4	2	8·3	7·0	16 13	23	7 50	1	15
7	8	6	6	5	**1**	1	4	8	8·0	6·3	2 55	16	20 0	1	16
9	7	5	5	9	10	12	14	11	7·7	6·3	22 33	18	8 44	0	17
12	12	10	3	5	5	2	3	2	5·8	4·7	13 17	18	7 20	0	18
12	11	6	5	10	11	13	12	12	8·4	6·6	12 35	19	0 30	1	19
11	10	10	9	6	2	2	4	7	6·5	5·4	15 22	16	9 40	0	20
10	9	6	4	3	2	2	3	4	**4·7**	**4·0**	14 42	14	7 12	0	21
9	9	7	6	5	6	8	5	5	5·5	4·6	13 7	13	7 7	1	22
10	8	7	5	4	6	7	4	2	6·1	5·1	15 25	14	8 45	1	23
14	17	14	11	10	10	13	15	15	8·3	6·5	14 30	23	10 0	0	24
20	18	17	18	16	10	8	10	12	12·0	9·8	14 32	29	9 58	1	25
16	14	13	14	14	11	7	8	10	10·0	8·3	15 18	24	7 0	2	26
12	13	11	10	9	9	10	8	8	9·2	8·0	1 18	20	9 46	0	27
12	11	11	9	3	5	9	8	5	7·5	6·4	1 14	19	7 20	0	28
8	6	7	6	6	5	4	5	5	6·2	4·2	13 4	16	9 52	0	29
10	10	14	13	12	12	11	9	8	7·3	5·3	17 52	19	7 13	0	30
12	10	9	9	12	12	11	8	5	6·8	5·1	15 35	16	6 30	0	31
13·4	12·9	11·8	10·4	9·7	8·5	7.4	7·2	6·7	8·3	6·6					Mean.

APRIL.

9	8	7	4	2	3	3	4	2	5·6	3·9	13 12	16	0 2	2	1
12	11	12	9	13	13	14	13	12	8·0	6·9	14 28	20	8 12	0	2
9	10	7	7	6	6	6	7	5	6·1	4·8	10 52	13	7 8	0	3
10	10	8	7	6	4	4	3	3	**4·8**	**3·1**	2 15	16	9 12	0	4
11	9	8	6	3	2	2	2	2	6·2	4·5	13 20	17	20 1	1	5
14	10	7	6	5	4	7	8	9	6·9	4·9	15 50	18	7 6	0	6
11	10	9	6	4	3	3	4	3	5·2	4·4	17 7	15	7 45	0	7
12	11	10	9	6	3	3	4	6	5·1	4·1	15 30	15	6 58	0	8
14	12	9	6	4	4	7	6	4	6·0	5·4	15 4	17	6 50	0	9
14	15	11	7	5	4	3	4	3	7·9	6·8	16 18	18	10 0	0	10
16	16	11	7	7	7	9	8	8	8·3	7·0	15 20	21	7 52	0	11
13	14	14	13	10	10	8	11	9	7·0	5·5	16 10	19	6 5	0	12
12	10	9	8	7	6	5	5	6	7·0	5·5	15 23	17	6 32	0	13
12	11	12	9	7	2	4	11	16	8·0	6·6	23 37	22	8 27	0	14
9	9	8	7	5	5	5	4	3	7·7	5·5	13 42	14	9 14	0	15
11	11	10	8	7	7	10	9	8	6·8	4.8	15 20	19	6 8	0	16
11	11	10	8	6	4	2	2	3	6·3	4·5	14 57	17	11 25	1	17
10	11	11	11	9	8	8	7	4	6·0	4·0	18 37	16	6 32	0	18
10	11	10	5	1	1	5	5	5	6·0	4·8	15 45	16	19 36	0	19
15	15	13	10	8	3	1	3	3	6·6	5·0	15 37	21	9 37	1	20
9	11	10	9	10	8	4	2	2	5·5	4·7	17 15	15	8 32	0	21
13	13	12	12	11	10	11	8	8	7·3	6·5	15 40	18	5 17	0	22
14	13	12	9	11	12	9	9	9	9·0	7·6	14 10	20	7 55	0	23
15	14	12	10	9	10	12	13	12	10·5	8·6	12 28	25	8 17	1	24
18	16	16	14	13	13	13	11	14	**13·1**	**10·4**	12 50	**29**	5 17	2	25
11	10	8	5	5	9	12	12	11	10·7	9·1	13 48	21	18 50	2	26
14	13	11	12	12	8	5	7	9	8·7	7·6	15 4	20	10 0	0	27
14	14	14	12	10	10	13	11	5	9·9	8·3	14 20	21	7 0	0	28
14	14	12	11	8	7	8	8	6	6·6	5.4	16 6	19	10 59	0	29
12	11	9	8	7	5	5	4	3	6.5	5·8	15 27	16	7 34	0	30
2·3	11·8	10·4	8·5	7·2	6·4	6·7	6·8	6·4	7·3	5·9					Mean.

WIND VELOCITY, 1934.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MAY. (IN MILES PER HOUR.)

Date.	Hours (B. M. T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	2	1	2	1	1	1	4	5	3	3	5	6	9	2	14
2	2	2	3	2	2	2	1	2	4	7	10	11	13	15	15
3	4	2	1	1	0	0	1	2	3	6	7	8	9	10	12
4	1	1	1	0	3	3	3	1	2	3	7	7	9	10	12
5	4	4	3	2	2	1	0	1	1	4	8	9	9	9	9
6	3	3	3	3	2	3	1	3	3	3	7	8	9	10	9
7	3	4	2	3	4	5	3	3	5	6	7	6	7	9	10
8	4	3	3	3	3	3	3	3	3	4	3	7	9	9	10
9	4	3	5	4	3	4	3	5	8	10	11	13	10	11	10
10	7	7	8	9	10	12	13	11	11	10	9	9	9	9	9
11	3	2	3	4	5	3	2	2	5	4	8	8	8	7	9
12	5	4	4	8	5	3	6	6	4	2	3	6	9	10	13
13	1	1	1	4	1	1	1	1	3	2	6	9	9	10	10
14	10	9	4	3	6	3	1	2	4	5	7	8	9	10	10
15	16	15	12	7	6	5	5	2	1	1	4	4	5	7	7
16	3	3	1	3	3	3	2	4	5	5	6	7	8	9	9
17	3	3	2	2	2	2	1	1	1	4	4	5	5	7	6
18	8	8	6	3	3	2	2	3	3	4	5	6	8	8	9
19	4	5	4	4	3	2	4	3	4	4	6	7	8	9	10
20	3	2	3	3	4	3	1	1	3	4	5	5	5	6	7
21	5	5	4	4	6	5	6	7	8	8	10	10	12	13	14
22	4	4	5	6	5	4	3	4	6	8	9	10	11	12	13
23	3	2	2	2	3	3	1	3	8	8	10	13	14	15	14
24	8	9	8	9	10	9	7	3	4	8	9	11	10	12	14
25	8	8	4	4	3	4	3	3	5	5	5	4	5	8	10
26	4	4	3	3	3	1	3	1	4	9	10	12	11	7	8
27	5	4	4	3	4	2	3	4	3	7	7	8	7	5	7
28	5	5	5	4	5	4	4	5	5	4	8	7	8	8	8
29	4	4	4	4	3	4	7	5	4	4	5	8	8	8	9
30	5	5	4	5	7	4	3	7	3	4	8	9	9	13	11
31	5	4	4	4	4	4	4	4	5	7	7	8	9	10	9
Mean ..	4·7	4·4	3·8	3·8	3·9	3·4	3·3	3·5	4·2	5·3	7·0	8·0	8·7	9·6	10·2

JUNE.

1	8	7	7	4	7	5	5	8	8	8	9	11	11	12	13
2	8	5	5	4	4	4	4	4	4	7	10	11	11	11	12
3	4	3	4	1	2	1	1	3	4	4	4	4	4	4	5
4	3	3	3	4	3	2	3	4	3	4	4	4	4	5	5
5	4	3	4	3	1	3	2	4	4	4	4	4	5	5	5
6	4	4	4	4	4	4	4	5	5	4	4	4	5	5	8
7	3	2	1	2	1	4	4	3	4	4	4	4	5	7	10
8	5	2	4	3	8	4	4	4	4	4	3	4	3	4	3
9	4	4	4	5	4	3	5	2	2	2	1	3	8	12	14
10	4	7	21	22	5	8	10	8	5	7	8	7	6	9	10
11	5	5	5	5	5	8	9	19	22	8	6	10	9	8	3
12	6	6	2	3	5	3	7	3	4	5	5	7	8	9	10
13	6	6	9	9	10	9	9	8	6	4	2	5	7	12	12
14	21	23	23	22	18	21	23	24	25	27	30	31	32	32	29
15	25	24	24	26	26	26	26	27	26	27	25	28	29	30	22
16	27	26	30	28	25	26	25	24	30	28	26	22	20	9	9
17	17	21	19	14	12	8	11	12	16	18	20	16	17	22	17
18	15	14	11	7	6	15	14	15	15	14	18	14	16	12	11
19	12	12	13	10	10	12	14	12	11	9	10	14	11	12	14
20	8	8	10	7	6	11	10	9	16	14	14	17	16	15	20
21	17	18	17	12	9	9	5	9	11	9	12	16	12	16	17
22	16	14	11	10	13	19	14	15	12	12	16	16	16	24	17
23	16	18	16	14	13	12	11	12	13	13	13	13	12	11	10
24	13	12	12	13	13	13	11	11	12	13	10	10	9	16	12
25	13	14	14	14	14	15	14	12	11	14	14	12	11	12	13
26	10	12	12	13	14	13	12	13	10	8	13	8	9	14	14
27	23	19	19	21	16	11	24	13	16	16	18	16	11	12	14
28	17	18	16	15	15	15	13	12	12	13	11	11	17	17	15
29	12	9	9	6	7	10	10	10	10	12	15	13	14	14	14
30	16	17	12	13	15	14	14	14	12	13	14	15	18	12	16
Mean ..	11·4	11·2	11·4	10·5	9·7	10·3	10·3	10·6	11·1	10·8	11·4	11·7	11·9	12·8	12·5

†NOTE :—Hourly mean values from Robinson Beckley's anemograph converted to Dines anemograph have been

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MAY. (IN MILES PER HOUR.)

Hours. (B. M. T.)									Mean.	Mean by R. Beckley's Anemogram.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
14	14	13	10	7	5	5	5	3	6·0	5·5	16 40	19	5 55	0	1
16	13	12	11	10	9	8	6	5	7·5	7·1	15 35	21	7 2	0	2
12	11	8	7	5	6	5	3	1	5·2	4·4	14 45	16	3 58	0	3
11	11	9	9	6	7	6	6	4	5·5	3·6	15 2	18	3 5	0	4
9	9	8	8	5	3	3	2	2	4·8	4·3	16 40	13	6 0	0	5
12	13	11	11	10	8	6	3	3	6·1	5·3	16 14	18	9 15	0	6
13	13	13	14	14	11	6	4	4	7·0	6·5	19 58	18	7 40	0	7
10	9	8	6	5	4	3	3	3	5·0	4·8	13 14	14	6 50	1	8
10	10	9	9	12	12	9	9	9	8·0	7·4	11 45	18	6 45	0	9
9	10	7	6	6	5	5	4	3	8·3	7·5	6 4	19	18 18	1	10
11	9	7	5	5	3	1	1	4	5·0	5·0	15 7	15	7 48	0	11
15	13	14	12	14	14	12	8	7	8·2	7·7	16 4	21	11 0	1	12
11	10	9	6	4	1	4	9	11	5·2	5·1	15 10	15	4 30	0	13
10	9	6	5	5	5	8	11	15	6·9	5·8	23 55	20	5 56	0	14
8	9	9	8	6	5	3	3	3	6·3	5·4	0 7	22	7 20	0	15
8	9	9	7	5	5	4	4	4	5·3	4·3	17 47	13	6 45	0	16
6	9	8	7	8	7	7	8	8	4·8	4·3	16 30	12	6 25	0	17
8	8	7	6	6	5	5	6	4	5·5	3·9	15 10	14	11 1	0	18
11	11	12	9	7	6	5	4	3	6·0	5·1	17 26	16	6 30	0	19
8	8	9	7	7	6	6	6	6	4·9	3·7	16 10	13	11 25	0	20
15	14	12	9	8	7	5	3	4	8·1	7·3	16 30	21	3 30	1	21
13	13	12	9	8	9	7	5	5	7·7	7·1	13 6	17	6 30	1	22
14	13	12	11	10	7	7	8	5	7·8	7·2	15 12	22	6 25	0	23
13	13	12	11	9	8	8	5	8	9·1	8·0			6 47	0	24
10	8	8	5	3	4	2	4	2	5·2	4·9					25
8	7	7	5	5	5	4	5	4	5·5	5·2					26
7	7	5	5	5	4	5	4	4	5·0	4·7					27
8	8	8	7	7	5	5	4	7	6·0	5·5					28
11	11	10	9	7	5	4	4	5	6·1	5·7					29
11	11	11	10	8	8	8	8	5	7·4	6·7					30
10	8	9	8	8	8	8	8	7	6·7	6·1					31
10·7	10·4	9·5	8·1	7·3	6·4	5·6	5·3	5·1	6·3	5·6					Mean.

†JUNE.

13	13	12	12	8	8	7	8	5	8·7	7·9					1
13	12	12	11	8	4	2	2	3	7·1	6·6					2
5	4	5	4	4	4	2	2	4	3·4	3·4					3
4	5	3	4	3	2	4	2	2	3·5	3·5					4
7	8	8	7	4	4	4	4	4	4·4	4·2					5
8	8	4	4	3	2	2	2	3	4·3	4·2					6
11	11	10	8	8	4	4	8	7	5·4	5·0					7
5	10	8	10	8	8	7	5	4	5·2	4·9					8
15	13	8	5	4	5	7	4	3	5·7	5·4					9
13	13	13	10	8	5	5	5	5	8·9	6·0	2 20	35	1 15	2	10
6	6	7	6	8	6	7	6	6	7·7	5·5	7 53	32	14 57	0	11
10	9	9	24	8	15	13	10	5	7·7	4·9	18 17	56	19 33	0	12
19	14	26	26	27	24	17	20	21	12·8	10·5	15 18	59	10 55	0	13
33	35	36	34	35	32	28	29	26	27·9	24·0	18 2	49	4 25	12	14
21	16	19	22	24	27	26	26	26	24·9	20·8	18 53	49	15 15	4	15
5	13	22	21	16	8	14	16	18	20·3	17·3	11 47	48	15 45	2	16
20	17	18	20	17	16	16	17	18	16·6	13·1	13 43	34	5 12	3	17
12	12	12	12	13	12	14	6	11	12·5	8·0	10 30	33	14 53	2	18
12	15	5	8	11	15	14	13	11	11·7	8·2	16 14	29	17 50	1	19
20	14	14	11	16	17	17	16	18	13·5	11·9	17 22	31	1 12	0	20
18	21	20	14	10	11	12	13	15	13·5	11·0	11 4	35	6 15	0	21
8	13	10	3	6	7	9	12	14	12·8	9·0	23 20	37	15 40	0	22
10	11	12	10	10	10	11	11	11	12·2	6·8	0 45	36	21 0	2	23
6	9	12	13	10	6	8	11	11	11·1	5·9	13 52	35	15 45	0	24
14	13	13	12	12	11	10	10	10	12·6	6·5	5 42	27	11 29	1	25
7	7	12	12	14	15	13	16	22	12·2	7·3	23 50	41	11 40	1	26
16	16	15	10	12	14	14	13	16	15·1	10·0	0 12	44	5 50	3	27
15	16	16	9	14	16	16	13	11	14·3	9·0	20 30	39	18 37	2	28
12	14	13	13	12	15	15	16	16	12·1	7·7	10 33	36	3 18	2	29
16	17	16	16	16	16	16	16	15	15·0	9·1	16 35	47	13 35	1	30
12·5	12·8	13·0	12·4	11·6	11·3	11·1	11·1	11·4	11·4	8·6					Mean.

given from May 24th to 31st and from 1st to 9th June as the Dines anemograph was out of order.

WIND VELOCITY, 1934.

JULY.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

(IN MILES PER HOUR.)

Date.	Hours. (B. M. T.)														
	8—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	16	16	15	14	14	14	15	18	16	11	15	16	16	15	14
2	17	17	18	16	18	17	17	16	15	15	17	20	17	17	19
3	14	16	15	16	17	14	14	15	16	15	15	20	20	17	17
4	16	21	13	12	14	13	15	14	15	15	16	16	16	16	17
5	15	13	14	15	13	13	12	14	16	13	10	12	11	14	15
6	16	16	16	14	12	13	14	13	12	12	10	9	10	11	13
7	12	13	14	15	15	15	13	13	16	16	16	15	15	15	14
8	14	15	15	15	15	15	15	15	14	13	14	15	15	17	18
9	17	18	19	18	18	17	18	18	20	22	24	19	19	18	18
10	15	17	15	17	17	16	15	14	16	16	16	16	17	18	16
11	17	16	12	16	15	16	17	17	17	16	14	18	24	11	14
12	14	14	14	15	16	16	16	16	15	14	12	12	14	15	15
13	12	13	11	12	12	12	11	11	13	12	10	11	11	10	11
14	14	14	14	14	17	18	18	14	13	14	14	17	15	15	14
15	14	13	12	11	12	12	15	16	8	11	15	13	13	12	12
16	15	14	13	14	14	13	13	14	14	14	14	13	13	12	13
17	12	13	13	12	12	12	12	13	13	14	13	13	14	13	15
18	14	14	13	13	12	13	12	12	12	12	11	11	14	12	12
19	8	9	7	10	9	6	7	9	9	10	6	11	6	7	10
20	7	6	9	4	4	5	6	2	4	6	8	8	14	14	14
21	15	14	14	14	14	15	13	13	12	12	13	14	14	14	13
22	13	14	13	14	12	14	11	12	14	15	9	6	6	10	12
23	13	13	14	15	15	16	16	18	15	14	12	13	16	16	11
24	11	11	10	9	9	11	10	11	11	11	13	13	14	14	15
25	9	10	10	10	10	10	11	10	12	11	12	12	13	13	13
26	8	8	9	9	8	7	8	6	17	8	5	5	3	4	9
27	11	9	12	12	12	12	13	13	12	13	9	10	10	6	7
28	6	3	3	14	7	5	5	3	4	5	5	3	6	8	8
29	7	7	4	5	3	3	2	2	6	9	8	6	8	7	8
30	9	12	13	14	14	16	17	16	12	11	11	12	13	15	13
31	9	4	11	6	8	10	8	12	15	15	10	10	10	13	15
Mean . .	12·6	12·7	12·4	12·4	12·5	12·5	12·5	12·6	12·7	12·7	12·2	12·5	13·1	12·9	13·4

AUGUST.

1	4	3	3	4	7	7	9	18	18	18	13	18	16	16	13
2	12	10	10	9	11	10	11	12	13	14	15	13	11	11	11
3	9	9	10	7	9	8	8	8	9	13	13	14	12	14	13
4	13	14	12	14	14	12	14	14	14	14	13	12	12	14	15
5	15	12	16	17	19	16	16	14	15	15	15	16	16	15	14
6	14	14	15	14	14	12	14	13	15	14	14	14	13	14	14
7	12	13	13	12	14	13	14	14	13	12	12	13	13	13	14
8	14	13	10	13	12	19	9	12	12	13	14	14	15	16	16
9	14	15	16	17	16	10	15	12	11	11	13	12	12	11	13
10	14	14	15	14	13	15	14	11	14	14	13	13	14	12	12
11	16	16	17	17	17	14	15	14	13	14	13	14	13	12	14
12	14	15	16	16	15	14	13	14	13	13	13	12	14	14	15
13	13	14	16	16	17	16	15	15	15	14	14	12	13	11	10
14	10	11	12	13	12	12	12	10	7	8	13	20	20	20	18
15	9	10	12	14	13	12	12	7	9	10	9	12	12	14	13
16	11	14	14	14	14	12	11	9	7	10	13	15	12	13	14
17	14	16	16	15	15	16	14	14	16	15	14	17	13	16	14
18	20	18	21	21	20	20	17	19	16	17	16	17	15	15	17
19	17	18	18	19	21	22	20	23	19	20	19	17	17	17	16
20	13	15	14	16	16	14	15	16	15	14	13	12	14	13	13
21	13	12	14	14	13	13	10	14	12	14	12	12	13	12	13
22	13	16	12	12	14	14	16	9	13	10	13	11	11	12	16
23	13	12	13	14	16	14	14	11	11	11	10	11	10	11	12
24	11	10	9	11	13	10	12	13	14	12	10	11	13	12	12
25	10	10	10	10	11	9	8	10	11	8	5	9	10	12	11
26	9	10	10	9	9	9	8	10	11	12	10	12	16	12	11
27	10	8	12	13	12	12	13	11	9	10	11	13	9	11	13
28	8	10	11	12	11	10	12	11	13	14	12	11	6	10	11
29	8	10	10	8	7	8	8	8	8	9	12	11	9	15	14
30	8	8	9	9	8	5	8	9	8	9	8	8	8	5	6
31	9	9	7	6	7	6	7	6	7	7	9	10	7	9	11
Mean . .	11·9	12·2	12·7	12·9	13·2	12·4	12·4	12·3	12·3	12·5	12·5	13·1	12·5	13·0	13·2

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JULY. (IN MILES PER HOUR.)

Hours. (B. M. T.)									Mean.	Mean by R. Beckley's Anemogram	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
15	15	15	16	16	16	17	16	16	15·3	9·7	21 55	37	9 46	3	1
18	15	14	14	13	12	14	14	14	16·0	9·8	4 21	43	9 30	4	2
18	21	20	19	18	16	17	18	16	16·8	10·7	16 41	42	10 20	3	3
18	19	19	14	16	14	14	13	15	15·5	10·0	1 15	51	6 42	3	4
16	17	17	15	16	16	16	16	15	14·3	8·7	0 1	37	9 57	3	5
15	17	12	13	14	14	13	12	12	13·0	8·0	2 1	38	11 22	2	6
12	12	13	14	15	14	15	15	15	14·3	8·9	9 47	39	16 8	2	7
19	19	21	20	19	21	20	20	18	16·7	10·4	17 56	38	9 25	2	8
18	18	19	17	18	20	19	17	16	**18·5**	**11·6**	10 4	44	22 43	5	9
18	18	18	16	17	17	17	18	16	16·5	10·5	14 11	39	10 10	2	10
18	18	15	17	19	18	17	16	14	16·3	10·3	12 7	42	2 59	3	11
16	15	14	16	16	15	14	14	14	14·7	9·2	15 25	41	9 11	2	12
12	13	13	13	12	14	13	13	14	12·0	7·8	4 22	33	13 20	1	13
15	13	13	9	12	12	13	14	16	14·3	9·7	15 28	34	8 27	2	14
12	12	12	11	11	12	14	15	15	12·6	7·8	21 56	36	8 50	2	15
13	12	12	12	11	11	10	10	11	12·7	7·7	0 32	28	17 47	2	16
13	11	12	12	14	10	11	13	14	12·7	7·6	16 50	30	12 45	2	17
8	11	12	10	13	12	6	5	11	11·5	7·0	0 15	25	15 8	1	18
9	5	9	7	7	14	8	9	19	8·4	5·8	20 17	23	19 8	**0**	19
16	15	15	15	14	14	13	14	13	10·0	7·0	15 20	26	7 56	1	20
13	16	15	15	14	13	10	10	12	13·4	8·0	17 35	26	22 4	1	21
13	13	15	14	13	16	14	12	12	12·4	**7·5**	9 15	27	13 4	1	22
10	11	10	9	10	9	10	10	10	12·7	8·8	7 25	29	17 3	3	23
16	14	13	11	12	10	10	8	9	11·5	9·7	15 32	23	6 13	4	24
15	13	12	11	6	6	6	5	8	10·3	8·0	15 35	23	7 48	3	25
10	10	9	8	8	8	9	7	9	7·6	6·5	7 5	19	10 7	1	26
4	4	6	6	2	4	2	4	6	8·3	6·5	14 38	23	18 7	1	27
7	9	8	7	7	6	9	9	9	6·1	**5·1**	21 32	18	8 53	1	28
9	9	7	13	10	4	**0**	3	4	**6·0**	5·1	18 33	22	21 8	0	29
16	14	11	12	8	3	11	10	10	12·2	9·9	5 35	32	20 55	3	30
14	12	11	12	13	14	10	4	6	10·5	8·7	0 26	26	1 10	1	31
13·7	13·6	13·3	12·8	12·7	12·4	12·0	**11·7**	12·2	12·7	8·5					Mean.

AUGUST.

12	12	14	16	12	11	5	11	12	11·5	8·9	9 30	32	2 47	0	1
13	11	10	10	9	9	4	4	9	10·5	8·1	2 35	33	22 15	1	2
14	14	15	14	14	14	14	14	16	11·9	7·4	13 47	30	5 5	3	3
18	17	14	13	15	12	12	13	13	13·7	8·6	19 25	32	13 6	3	4
16	15	14	14	13	12	13	13	13	14·7	8·8	8 13	35	13 20	4	5
15	15	14	14	13	12	12	13	13	13·7	8·3	8 4	38	11 10	1	6
14	14	13	13	13	13	12	13	13	13·0	8·3	6 23	38	10 25	2	7
15	14	16	13	13	14	13	11	13	13·5	8·7	5 43	36	2 55	2	8
14	12	17	12	12	14	14	13	16	13·4	8·1	23 30	33	13 19	2	9
14	16	16	15	15	16	15	21	14	14·3	9·3	11 50	34	8 10	4	10
13	13	13	12	12	14	16	17	16	14·4	9·0	2 55	41	19 55	3	11
14	13	14	12	13	13	14	11	12	13·6	8·8	21 55	32	16 55	3	12
10	11	10	11	12	13	12	12	12	13·1	8·3	2 20	31	13 35	2	13
18	19	16	16	16	14	13	14	10	13·9	9·9	13 42	38	9 20	1	14
15	16	15	9	12	15	13	12	10	11·9	8·0	3 53	27	7 46	2	15
15	13	12	13	14	14	11	10	10	12·3	8·2	11 50	33	7 48	3	16
17	17	15	16	13	15	14	16	16	15·2	**10·7**	11 45	31	3 10	4	17
16	14	14	15	14	16	18	20	19	17·3	10·6	21 1	37	19 6	3	18
16	15	15	15	16	16	15	15	16	**17·6**	10·3	7 40	46	22 58	3	19
13	13	11	11	11	11	11	11	12	13·2	8·3	1 30	30	11 50	2	20
13	15	12	13	15	13	12	13	12	12·9	7·7	5 20	31	23 50	2	21
14	12	13	11	15	14	14	11	13	12·9	8·0	8 3	32	9 20	2	22
12	10	10	11	12	11	10	10	11	11·7	7·2	4 54	35	8 14	2	23
12	12	13	9	10	12	8	9	11	11·2	6·7	19 48	32	11 15	2	24
11	12	10	10	10	9	10	8	8	9·7	5·7	21 28	25	21 15	1	25
10	11	13	13	10	10	12	11	8	10·7	6·7	16 8	28	6 27	2	26
13	12	17	17	15	12	12	8	9	11·7	7·5	2 15	31	9 11	1	27
12	11	10	9	8	9	8	8	8	10·2	6·0	9 18	23	13 4	2	28
14	7	8	4	3	**2**	5	9	11	8·7	6·0	15 50	23	19 20	0	29
6	7	6	6	6	9	4	5	7	**7·2**	5·9	20 55	20	12 50	1	30
10	13	15	14	7	10	**3**	12	8	9·1	6·8	17 37	27	12 4	1	31
13·5	13·1	13·1	12·3	12·0	12·2	**11·6**	11·9	12·0	12·5	8·1					Mean.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN MILES PER HOUR.)

Date.	Hours (B.M.T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	10	12	9	6	10	10	12	11	10	11	11	9	11	13	13
2	7	4	9	9	11	10	7	8	7	12	7	15	15	15	16
3	8	6	7	4	10	3	5	6	9	11	11	12	10	11	10
4	7	1	3	4	8	8	7	6	4	6	9	10	9	7	3
5	5	7	7	7	7	7	8	6	7	7	8	7	6	7	7
6	8	9	12	12	12	11	12	13	13	14	14	13	12	7	3
7	9	9	5	5	8	9	11	12	13	13	15	14	16	13	13
8	10	10	9	8	9	8	7	8	8	11	11	13	6	16	7
9	8	8	9	6	5	7	7	5	7	6	6	11	7	8	8
10	11	9	11	8	8	6	7	9	7	7	7	6	8	9	9
11	8	9	9	6	6	4	4	5	5	6	5	7	6	6	9
12	3	7	6	5	6	5	4	4	5	4	4	6	7	5	7
13	5	4	4	3	5	11	4	4	7	6	6	4	6	7	7
14	8	7	6	6	5	7	8	9	7	11	9	8	14	9	12
15	3	11	13	15	8	7	11	10	10	9	10	11	12	12	12
16	6	9	10	9	10	11	10	10	12	12	14	14	14	13	12
17	7	9	9	8	8	8	7	8	8	7	9	9	8	10	12
18	10	11	12	12	13	13	12	11	10	10	9	8	8	9	7
19	9	9	8	8	8	8	7	6	5	5	7	5	4	5	6
20	10	9	10	9	9	10	10	9	11	13	15	15	13	11	10
21	13	12	11	10	9	9	10	9	8	10	9	8	7	7	7
22	9	8	8	6	7	8	6	7	7	10	10	11	12	11	9
23	13	10	10	12	10	11	13	13	13	9	7	8	10	14	9
24	7	7	7	8	9	9	9	9	9	10	7	8	8	7	7
25	9	9	9	8	9	10	9	8	6	7	7	8	8	10	10
26	7	7	6	5	3	2	5	5	4	5	6	7	8	9	9
27	6	5	4	5	6	7	3	6	7	4	4	6	7	10	12
28	7	7	8	7	4	4	3	2	2	4	4	9	11	11	11
29	3	3	3	3	3	3	4	4	4	4	3	3	6	8	9
30	4	3	4	7	6	7	7	7	9	9	9	9	8	6	7
Mean	7·7	7·7	7·9	7·4	7·7	7·8	7·6	7·7	7·8	8·4	8·4	9·1	9·2	9·2	9·1

OCTOBER.

1	4	3	2	1	2	5	5	5	4	5	7	5	7	7	7
2	7	6	7	6	5	4	4	5	6	7	8	8	9	9	10
3	7	6	5	3	3	2	3	4	5	4	1	7	9	10	9
4	4	3	3	2	3	3	3	5	7	7	6	5	9	11	11
5	2	2	2	4	3	5	5	6	7	8	9	11	10	11	12
6	3	2	2	2	2	2	2	3	7	8	13	9	10	10	11
7	4	3	4	4	4	4	4	4	5	3	5	9	11	12	12
8	6	5	5	4	5	4	4	5	5	4	6	6	7	10	12
9	10	10	9	8	8	6	5	6	8	10	12	14	14	14	15
10	2	2	5	7	8	5	5	6	5	8	8	7	9	11	11
11	5	6	6	7	7	4	5	5	6	6	3	6	7	9	11
12	3	3	3	2	2	2	3	4	4	4	4	2	4	7	8
13	9	11	3	1	1	1	1	1	3	5	4	4	4	6	7
14	5	6	5	4	4	4	4	4	3	4	4	5	4	5	5
15	3	3	4	4	4	4	4	5	5	5	4	7	8	8	9
16	4	4	4	3	2	5	6	5	5	5	4	3	2	6	7
17	4	2	2	3	3	3	3	5	6	5	4	3	3	4	4
18	6	7	6	8	8	10	8	6	6	6	6	7	6	2	2
19	4	3	3	5	5	8	8	9	9	9	5	6	4	3	6
20	2	3	5	5	9	6	5	7	7	6	5	3	3	3	4
21	2	1	0	1	2	5	6	9	8	7	7	4	3	3	4
22	3	4	5	3	3	4	5	7	7	6	3	3	3	4	5
23	4	3	4	6	5	6	6	7	7	6	5	5	5	4	5
24	6	9	11	12	12	11	9	8	9	7	7	7	7	7	6
25	9	8	8	7	8	10	9	10	10	10	8	9	8	7	6
26	5	7	6	6	6	5	6	5	6	6	5	4	5	9	8
27	4	5	8	8	7	7	7	7	8	9	10	6	6	6	8
28	3	6	10	11	10	11	12	12	11	11	12	10	7	7	7
29	9	8	9	8	11	12	15	18	18	21	15	14	7	6	6
30	7	6	7	7	6	5	5	6	8	7	10	12	6	5	7
31	10	12	13	9	9	6	6	10	5	5	6	8	12	9	7
Mean	5·0	5·1	5·4	5·2	5·4	5·5	5·6	6·4	6·8	6·9	6·6	6·7	6·7	7·3	7·8

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN MILES PER HOUR.)

Hours (B. M. T.)									Mean.	Mean by R. Beckley's anemogram.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
13	10	9	7	11	12	11	12	14	10·7	7·3	17 48	25	18 25	1	1
18	15	13	14	11	9	10	10	9	10·9	8.9	9 40	32	2 1	2	2
8	10	10	7	13	7	7	8	8	8·4	6·4	4 20	23	3 50	1	3
6	8	4	4	3	3	4	5	5	5·6	4·4	16 2	15	1 15	0	4
12	12	11	10	7	6	5	6	8	7·5	6·4	6 25	17	6 50	1	5
2	2	2	2	2	3	8	5	7	8·3	7·0	11 20	24	13 55	1	6
12	11	9	9	9	9	9	8	8	10·4	8·7	15 0	30	3 10	1	7
9	10	8	8	9	8	8	12	6	8·7	5·8	11 10	26	10 25	2	8
9	8	8	8	10	10	11	6	11	7·9	5·1	21 15	28	9 20	1	9
9	8	8	9	9	9	8	7	8	8·2	5·5	2 10	22	11 5	1	10
8	6	6	5	8	3	4	3	3	5·9	4·0	0 25	18	6 52	2	11
6	7	7	6	5	5	4	4	4	5·3	4·5	14 40	11	10 49	1	12
10	10	9	8	5	7	6	5	7	6·3	4·2	5 35	18	10 45	1	13
10	12	8	8	9	9	7	3	9	8·4	6.1	12 32	28	22 15	1	14
11	12	6	7	7	7	7	7	7	9·4	7.9	16 35	23	0 25	2	15
12	11	9	8	8	7	7	7	7	10·1	7·6	8 40	24	0 1	4	16
14	14	12	12	9	7	9	9	10	9·3	7·6	15 25	19	8 54	4	17
6	7	7	9	10	10	10	11	9	9·7	7·5	1 22	24	1 27	3	18
7	7	6	6	4	4	6	10	10	6·7	4·7	13 0	20	13 35	2	19
11	12	13	11	10	13	14	14	13	11·5	10·0	23 45	24	13 10	3	20
7	9	8	7	8	8	9	8	12	9·0	6·6	0 10	18	8 35	3	21
10	9	9	10	10	11	10	10	9	9·0	5·9	2 1	20	14 25	2	22
8	5	4	7	7	7	8	8	8	9·3	5·5	13 20	30	16 19	1	23
8	7	8	8	6	6	12	7	6	7·9	4·7	5 40	18	16 3	0	24
10	10	12	10	8	6	6	5	5	8·3	7·0	4 45	20	8 50	2	25
11	11	10	9	9	7	7	7	6	6·9	5·9	16 35	16	4 50	2	26
13	13	10	8	7	6	6	3	6	6.9	5·5	14 45	22	23 11	1	27
14	9	5	1	1	1	1	3	3	5·5	4·3	15 45	29	18 24	0	28
11	12	11	7	3	3	5	7	3	5·2	4·4	15 45	17	19 15	1	29
6	7	9	6	5	4	5	6	5	6·5	5·1	9 58	15	16 5	0	30
9·7	9·5	8·4	7·7	7·4	6·9	7·5	7·2	7·5	8·1	6·1					Mean.

OCTOBER.

8	9	9	7	8	8	8	7	7	5·8	4·5	16 35	13	9 2	0	1
10	9	9	8	8	8	7	7	6	7·2	6·3	16 10	15	10 7	1	2
10	10	9	10	10	7	7	6	6	6·4	5·5	15 25	15	10 45	0	3
13	12	12	11	9	9	5	4	3	6·7	5·6	15 57	19	11 30	1	4
11	11	10	9	8	6	5	5	3	6·9	5·9	14 15	18	4 40	1	5
13	13	13	12	11	8	8	6	5	7·3	6·4	10 40	20	1 15	2	6
12	10	9	10	8	6	7	4	6	6·7	5·5	14 50	19	8 20	1	7
13	15	12	12	12	10	10	9	11	8·0	6·5	16 50	22	9 30	2	8
15	16	14	12	10	11	8	6	4	10·2	8·7	16 28	24	23 55	1	9
10	11	10	9	7	7	6	5	5	7·0	6·3	16 15	16	0 5	1	10
11	11	13	10	9	7	5	5	4	7·0	6·0	17 5	19	5 15	2	11
8	4	8	11	18	21	14	11	3	6·4	6·0	19 45	27	3 15	1	12
8	6	2	3	3	6	9	5	5	4·5	4·2	0 56	16	3 0	1	13
5	5	3	4	4	4	4	3	3	4·2	3·6	14 28	9	16 45	1	14
9	9	5	5	5	4	2	4	4	5·2	4·7	14 12	15	20 25	1	15
7	7	4	5	7	5	4	4	5	4·7	4·0	14 30	12	4 22	1	16
5	6	4	4	4	4	4	4	5	3·9	3·6	8 40	9	1 30	1	17
4	7	8	7	6	7	7	5	5	6·3	5·3	5 45	15	13 15	1	18
8	9	9	8	8	7	5	3	2	6·1	5·3	15 17	15	2 0	1	19
6	7	8	7	8	6	6	5	3	5·4	4·9	17 20	13	0 55	1	20
6	7	9	9	7	7	5	4	3	5·0	4·5	18 50	14	2 0	0	21
6	8	9	8	8	7	5	4	6	5·3	4·9	16 45	14	1 45	1	22
6	8	8	9	10	9	5	4	2	5·8	5·0	19 20	15	0 12	1	23
6	5	8	9	10	6	7	3	5	7·8	6·4	3 21	14	0 2	2	24
12	12	11	11	8	6	3	4	4	8·3	6·6	15 15	19	14 15	2	25
10	9	9	10	9	8	4	5	3	6·5	5·4	15 20	15	11 22	1	26
10	8	8	8	11	9	8	4	2	7·3	6·1	19 35	15	23 50	1	27
4	6	7	9	10	9	7	5	5	8·4	6·8	10 28	16	0 1	1	28
4	8	11	9	8	7	5	5	9	10·1	8·7	9 45	27	15 59	1	29
8	10	7	7	7	3	3	6	5	6·7	5·8	11 33	17	14 10	0	30
5	6	6	9	16	17	13	14	10	9·3	8·2	20 25	23	8 35	2	31
8·5	8·8	8·5	8·5	8·6	7·7	6·3	5·4	4·8	6·6	5·7					Mean.

WIND VELOCITY, 1934.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (IN MILES PER HOUR.)

Date.	Hours (B. M. T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	9	7	5	6	7	8	6	8	15	12	17	19	16	18	17
2	12	11	7	9	6	8	7	8	9	13	10	8	7	7	7
3	8	7	10	8	7	8	8	8	12	12	11	8	17	22	23
4	12	11	9	10	11	11	9	9	10	12	15	17	15	15	15
5	9	9	10	10	8	8	8	6	5	5	8	7	6	5	5
6	6	5	5	5	5	5	5	5	5	4	4	4	6	7	7
7	2	4	5	5	6	9	8	9	9	8	7	7	5	4	6
8	7	8	6	6	5	5	6	7	5	4	4	5	5	5	10
9	7	8	4	4	5	5	5	5	5	5	5	5	3	3	5
10	4	4	3	5	6	6	7	9	9	7	5	4	2	2	5
11	1	2	2	3	5	4	4	7	5	7	6	4	4	7	7
12	1	1	1	2	3	5	7	7	7	8	7	5	5	8	10
13	4	2	1	3	4	5	5	4	6	6	4	4	3	6	8
14	3	3	5	4	5	5	7	6	6	6	5	3	3	3	6
15	3	3	3	5	5	6	6	6	4	4	3	3	4	5	7
16	5	5	5	6	6	6	4	5	5	4	3	3	4	7	9
17	3	4	4	4	4	3	4	6	6	7	7	7	7	6	7
18	3	5	8	10	10	10	10	10	10	9	7	6	5	5	4
19	3	4	6	7	9	10	9	10	11	8	6	6	6	5	4
20	5	3	3	6	7	8	10	10	10	9	8	5	4	3	3
21	3	3	4	6	6	8	10	11	10	8	6	7	3	1	1
22	2	2	3	5	5	7	9	8	9	10	11	7	4	5	7
23	2	2	2	3	5	6	7	7	7	4	3	3	3	2	5
24	3	3	3	2	4	5	5	5	6	6	6	5	4	4	7
25	3	4	5	4	4	6	8	8	9	8	7	6	5	4	7
26	1	2	5	7	7	6	7	8	10	9	8	5	5	7	7
27	1	2	4	5	6	7	9	7	7	6	5	5	4	5	6
28	5	6	7	7	8	9	8	8	6	6	3	3	5	7	8
29	7	9	10	9	11	9	9	8	6	6	6	6	7	6	5
30	11	9	6	8	10	11	11	9	10	9	9	7	7	5	6
Mean . .	4·8	4·9	5·0	5·8	6·3	7·0	7·3	7·5	7·8	7·4	6·9	6·1	5·8	6·3	7·5

DECEMBER.

1	8	10	10	11	12	11	10	12	12	11	11	9	7	5	4
2	5	6	9	11	13	13	12	12	12	12	15	10	8	7	5
3	5	8	9	7	11	11	9	7	6	6	5	4	3	3	7
4	7	8	11	12	11	10	11	12	12	9	7	6	4	3	5
5	3	4	7	9	9	9	10	10	10	10	7	7	5	3	3
6	5	6	7	5	8	10	9	9	9	8	6	4	3	2	3
7	3	3	3	3	6	8	7	7	7	6	5	3	3	5	6
8	3	3	4	4	5	5	6	4	5	5	5	4	3	3	5
9	3	3	3	5	7	7	9	9	9	7	5	3	3	4	6
10	3	4	6	7	7	6	9	9	7	10	8	7	5	2	4
11	5	5	6	5	7	8	12	13	13	11	6	6	4	3	9
12	7	9	9	11	13	12	11	11	13	12	11	8	6	6	5
13	7	11	9	11	13	12	12	10	8	9	7	9	7	6	5
14	7	6	6	8	8	7	9	10	9	6	5	5	7	4	5
15	3	3	3	4	4	5	6	7	7	9	6	4	3	2	4
16	3	4	3	6	6	6	6	6	5	5	4	3	3	3	1
17	6	6	5	5	5	5	4	5	4	5	4	3	3	3	5
18	3	5	5	5	5	5	6	5	5	5	4	5	7	8	7
19	3	3	3	4	4	4	4	5	5	4	4	5	7	7	10
20	2	2	2	2	3	5	3	3	3	5	3	5	7	7	7
21	2	2	3	3	4	4	3	3	4	4	5	5	3	2	5
22	1	2	2	3	7	6	8	6	6	6	5	4	2	5	6
23	5	7	7	7	7	8	8	7	6	6	4	3	4	5	6
24	4	4	5	4	4	5	7	5	7	5	5	4	3	4	6
25	5	5	4	4	6	7	8	4	3	3	5	3	4	5	7
26	2	5	7	9	7	9	10	7	4	4	3	3	3	5	6
27	3	4	4	5	6	4	4	2	3	4	3	3	5	6	9
28	5	4	4	5	4	4	6	6	6	7	6	3	7	8	9
29	3	3	3	4	4	4	5	7	8	8	6	5	4	6	8
30	4	2	5	7	7	9	4	3	5	5	4	6	10	10	11
31	3	3	6	4	4	5	5	5	5	7	6	4	5	7	10
Mean . .	4·1	4·8	5·5	6·1	7·0	7·2	7·5	7·1	7·0	7·0	5·8	4·9	4·8	4·8	6·1

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (IN MILES PER HOUR.)

Hours (B. M. T.)									Mean.	Mean by R. Beckley's Anemogram.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
16	11	13	17	19	15	7	10	11	12·0	11·0	18 50	30	0 25	1	1
8	9	11	12	14	14	13	13	11	9·7	8·1	9 30	23	4 45	1	2
19	19	17	17	19	17	16	14	13	13·3	13·0	12 45	30	0 45	2	3
14	14	13	13	8	9	7	6	10	11·5	10·9	11 25	22	15 0	4	4
5	7	7	9	9	9	7	7	7	7·3	7·4	2 50	14	9 12	3	5
9	12	12	12	12	10	6	4	3	6·6	6·2	17 10	17	23 58	1	6
10	12	11	11	11	9	8	9	9	7·7	6·6	16 55	19	0 12	1	7
11	11	11	12	11	8	5	5	6	7·0	6·2	14 40	19	12 40	1	8
5	7	9	8	6	5	5	2	5	5·3	4·5	1 40	12	13 4	1	9
7	7	6	5	6	2	1	1	1	4·7	4·5	7 35	11	0 25	1	10
9	8	7	6	6	5	2	1	1	4·7	4·4	15 25	12	0 15	1	11
10	9	9	9	10	8	5	5	6	6·2	5·8	14 55	16	4 12	1	12
8	9	11	11	11	7	3	3	3	5·5	5·0	18 19	17	1 45	1	13
7	8	9	7	8	4	2	2	3	5·0	4·9	16 32	13	13 2	1	14
8	8	7	7	7	4	4	4	4	5·0	4·7	16 23	13	9 45	1	15
8	8	7	6	6	3	3	3	3	5·2	4·9	14 25	12	11 57	1	16
9	9	12	12	8	6	4	5	4	6·2	5·6	17 48	19	7 0	0	17
7	10	11	11	9	8	8	5	3	7·7	6·9	17 3	18	15 2	1	18
5	6	8	7	6	7	7	5	4	6·6	5·7	8 25	13	14 47	1	19
3	6	7	7	8	8	8	4	3	6·2	5·4	6 55	13	15 5	1	20
4	6	5	6	5	4	3	3	3	5·3	4·8	7 48	14	1 8	1	21
7	6	6	3	2	1	1	1	2	5·1	4·4	9 36	14	0 50	1	22
7	7	7	6	4	3	3	4	3	4·4	4·4	16 21	10	13 45	1	23
7	7	8	10	9	7	4	5	4	5·4	4·8	18 33	13	2 40	1	24
9	8	8	10	10	8	6	4	2	6·4	5·7	18 40	16	12 35	1	25
7	8	8	8	7	5	5	5	3	6·3	5·5	16 20	12	3 30	1	26
8	10	11	11	9	6	5	4	4	6·1	5·5	17 12	16	1 0	1	27
10	13	14	13	14	12	8	5	5	7·9	7·1	17 20	22	9 57	2	28
8	10	11	10	9	9	7	7	8	8·0	7·1	16 57	17	0 1	2	29
9	9	7	7	9	7	6	7	8	8·2	7·0	6 15	15	14 7	1	30
8·5	9·1	9·4	9·4	9·1	7·3	5·6	5·1	5·1	6·9	6·3					Mean.

DECEMBER.

6	8	10	11	8	8	5	5	5	8·7	7·5	18 13	17	13 0	1	1
6	10	9	10	9	8	7	4	4	9·0	7·8	10 16	20	15 20	3	2
8	11	10	9	8	5	4	5	5	6·9	5·8	16 25	16	13 15	1	3
5	6	9	8	9	10	9	5	4	8·0	6·9	3 30	14	13 10	2	4
5	7	6	9	10	8	7	6	5	7·0	5·9	19 12	16	14 5	2	5
5	5	5	6	8	7	4	4	3	5·9	4·7	4 53	15	12 25	2	6
7	5	5	5	4	4	3	3	3	4·7	4·5	5 10	11	22 5	1	7
6	5	5	5	7	6	5	3	3	4·5	4·1	19 8	9	8 20	1	8
5	5	10	12	11	10	5	4	4	6·2	5·3	18 26	18	12 57	2	9
7	8	9	10	11	12	10	4	4	7·0	6·3	18 52	20	14 30	1	10
8	12	10	10	9	8	7	7	7	8·0	6·9	16 17	18	12 8	1	11
8	10	10	11	8	7	7	6	6	9·0	8·0	17 55	18	14 55	1	12
5	6	6	9	11	9	5	5	5	8·2	7·1	4 50	19	15 28	3	13
6	6	5	5	7	8	8	6	3	6·5	6·1	7 10	13	13 59	1	14
4	5	6	5	5	4	1	1	2	4·3	4·3	9 20	10	13 45	1	15
3	3	4	5	6	4	3	3	4	4·1	4·0	19 43	9	14 25	1	16
8	7	6	6	6	5	5	2	2	4·8	4·3	15 51	10	8 52	2	17
8	8	9	10	9	7	5	3	4	6·0	5·2	18 45	14	0 1	2	18
10	11	11	10	7	5	3	2	3	5·6	5·1	14 28	15	21 59	0	19
7	7	5	5	7	5	2	3	3	4·3	4·2	15 57	12	6 35	1	20
7	7	9	9	8	7	5	4	1	4·5	4·1	17 40	12	23 50	1	21
6	6	6	4	3	3	3	3	3	4·4	4·3	4 40	10	13 30	1	22
7	8	8	6	5	4	5	6	5	6·0	5·6	16 47	11	12 40	1	23
7	8	11	10	9	8	4	3	4	5·7	5·0	18 9	18	13 10	1	24
7	7	7	8	7	7	8	6	2	5·6	5·1	21 54	15	12 15	1	25
8	7	6	7	5	3	3	3	3	5·4	5·1	6 58	13	8 10	1	26
8	7	5	10	10	8	3	4	4	5·2	5·0	6 10	17	12 56	1	27
10	10	9	10	9	9	6	5	4	6·5	5·8	15 25	15	11 25	1	28
10	11	12	12	10	9	7	5	5	6·6	5·9	17 45	16	7 20	2	29
12	14	14	11	11	10	7	6	4	7·5	6·6	17 20	21	1 10	1	30
12	12	13	13	11	11	6	5	4	6·9	5·9	18 35	17	12 50	2	31
7·1	7·8	8·1	8·4	8·0	7·1	5·2	4·2	3·8	6·2	5·6					Mean.

DIRECTION OF WIND, 1934.

JANUARY. (Averages for periods of sixty minutes from full hour to full hour of local mean time.)

Date.	Hours (B.M.T.).											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	ENE	ENE	NE	NE	ENE	NE	NNE	NE	E	ESE	SE	ESE
2	ESE	ENE	ENE	ENE	ENE	ESE	E	E	SE	SE	E	E
3	ENE	ENE	E	ESE	ESE	SE	SE	E	ESE	ESE	ESE	SE
4	ESE	SE	ENE	ENE	ENE	ENE	ENE	NE	NE	ENE	E	E
5	NE	SE	SE	NW	ENE	NE	ESE	SE	ESE	E	E	ESE
6	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NNE	ENE	ESE	NW
7	N	N	NNE	NNE	NE	NE	ENE	NE	E	ESE	ESE	WNW
8	NNE	NNE	NE	NE	NE	NE	ENE	NE	NE	ENE	NE	NNW
9	N	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	ENE	ENE	NNW
10	NNE	NE	NE	NE	NE	NNE	NNE	NNE	NNE	ENE	ENE	E
11	NNE	NNE	NNE	NNE	NNE	NE	NNE	NE	ENE	NNE	NNW	NNW
12	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NNE	N	N
13	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N
14	NNE	NNE	NNE	NE	NE	NE	NNE	NE	NNE	N	N	N
15	N	NE	NE	NE	NE	NNE	NE	NE	NE	NE	NE	NNW
16	NNE	NE	NE	NNE	NNE	NE	NE	NNE	NNE	E	NNW	NNW
17	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	NE	ENE	NNW	NNW
18	NE	NE	NE	ENE	NE	NE	ENE	ENE	E	E	E	ENE
19	NNE	NNE	NNE	NNE	N	NNE	NNE	NNE	ENE	E	NNW	N
20	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NNE	ENE	NNW	NNW
21	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N
22	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	ENE	ENE	ENE
23	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	ENE	ENE	ENE
24	ESE	ESE	ESE	E	E	ENE	ENE	ENE	E	E	ENE	ENE
25	ENE	ENE	NE	NE	ENE	E	ENE	E	ENE	ENE	ENE	W
26	NNE	NE	ENE	ENE	E	E	E	ENE	ENE	ENE	ENE	ENE
27	ENE	ESE	NE	ENE	ENE	ENE	E	E	ESE	E	SE	S
28	SE	SSE	SE	SE	NNW	SE	SE	SE	SE	NNW	N	NNW
29	NE	N	NNE	N	NE	NE	ENE	ENE	ESE	NNW	NNW	N
30	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	NNE	N	NNW
31	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE
Mean.	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	NNE	N

FEBRUARY.

1	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
2	ENE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE
3	NE	ESE	ENE	E	E	ENE	E	ENE	ENE	ENE	ENE	NW
4	NNE	NNE	NE	NNE	NE	ENE	E	NE	ENE	ENE	ENE	SE
5	NE	SE	NE	NE	NE	NE	NNE	NNE	ENE	E	SE	NE
6	N	SE	SE	ENE	NE	NE	ENE	E	ENE	NE	ENE	NW
7	NNW	N	SE	ESE	ENE	ENE	ENE	E	ENE	ENE	ESE	ESE
8	ESE	SE	SE	NE	NE	NE	ESE	E	ENE	E	NNW	NNW
9	ESE	SE	SE	SE	NNW	NE	ENE	E	ESE	ENE	NNW	NNW
10	SE	SE	NW	ESE	NE	ENE	E	E	E	ESE	ENE	ENE
11	SE	SE	SE	SE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE
12	SW	SW	SW	SW	SSW	SSE	SSE	SSE	SSE	SSE	SW	SW
13	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SW	SW
14	NE	NE	NNE	N	NE	N	NNW	SW	SSE	SE	ESE	variable
15	WNW	WNW	NW	NW	NNW	NE	NE	NE	SE	ESE	SE	variable
16	SE	SE	SE	SE	E	ENE	ESE	E	E	E	ESE	SE
17	N	NNW	NNE	NE	NE	NE	ENE	ENE	ENE	E	SE	NW
18	N	NNE	NNE	NNE	NNE	NE	ENE	ENE	E	E	ESE	NW
19	NNE	NNE	NNE	NNE	NNE	NE	NE	ENE	E	E	NNW	NNW
20	NNE	N	N	NNE	NNE	NNE	NNE	NNE	NNE	E	ESE	NNW
21	NNW	N	N	N	N	NNE	NNE	NNE	ENE	ENE	NNW	NNW
22	NE	NE	NE	NNE	NE	NE	NNE	NNE	NNE	N	N	NNW
23	N	N	NNE	NNE	NE	NE	NE	NE	ENE	E	N	NNW
24	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	E	SE	NW
25	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	E	E	NNW	NNW
26	N	NNE	NNE	NNE	NE	NE	NNE	NNE	NNE	ENE	NNW	NNW
27	NE	NE	NE	NE	NE	NE	NE	NE	E	ESE	SE	NW
28	N	N	NNW	NNE	NE	NE	NE	NE	NNW	NNW	NNW	NNW
Mean.	NNE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	NE	NNW

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JANUARY.

Hours (B. M. T.)												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
W	WNW	NW	NW	NW	NW	NW	NNW	NNE	NNE	NNE	NE	NNE	1
WNW	NW	NW	NW	NW	NW	NW	NNW	NNE	NNE	NNE	NE	NE	2
SW	WNW	WNW	WNW	WNW	WNW	WNW	NW	N	NE	ENE	ESE	E	3
ESE	SW	WNW	NW	NW	NW	NNW	N	N	N	NNE	NE	NE	4
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NNE	NNE	5
NNW	NNW	N	NNW	NNW	NNW	NNW	N	N	NNE	ENE	N	N	6
NW	NW	NW	NW	NW	NNW	NNW	NNW	N	N	NE	NNE	NNW	7
NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	NNE	N	8
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	NNE	N	9
NW	NW	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	N	10
NNW	NNW	NNW	N	N	N	N	N	N	N	NNE	NNE	N	11
N	N	N	NNW	N	NNW	N	N	N	NNE	NNE	NNE	N	12
N	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NNE	NNE	N	13
N	N	N	N	N	N	N	N	N	N	N	N	N	14
NNW	NNW	NNW	NNW	N	N	N	N	N	NNE	N	N	N	15
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	NNE	N	16
NNW	NNW	NNW	NNW	N	N	N	N	N	NNE	N	N	N	17
NW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NNE	N	NNE	18
N	N	N	N	N	N	N	N	N	N	N	NNE	N	19
NNW	NNW	NNW	NNW	N	N	N	N	N	NNE	NNE	NNE	N	20
NNW	NNW	NNW	N	N	N	N	NNE	NNE	NNE	NNE	NNE	N	21
ENE	NNW	NNW	NNW	N	N	N	N	NE	NE	SE	ENE	NNE	22
ENE	E	NW	NNW	NNW	N	N	N	N	N	NNE	NE	NE	23
E	NW	NW	NW	NW	NW	NW	N	N	NNE	NE	ENE	NE	24
WNW	NW	NW	NW	NW	NNW	NNE	NNE	NNE	NE	NNE	NNE	NNE	25
E	WNW	NW	NW	NW	NW	N	N	NNE	NE	NE	NE	NNE	26
W	WNW	NW	NW	NW	NNW	NNW	N	NNE	NNE	NE	ENE	NNE	27
NNW	NNW	NNW	NNW	N	N	NNE	N	N	NNW	NNW	N	N	28
N	N	N	NNW	N	N	NNW	NNW	NNW	NNW	NNW	NNW	N	29
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	N	30
NNW	NNW	NNW	NNW	N	N	N	N	NNE	NNE	NE	NE	NNE	31
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	N	Mean.

FEBRUARY.

E	NNW	NNW	NNW	N	N	N	N	N	NNE	NNE	NE	NE	1
E	WNW	NW	NW	NNW	NNW	N	N	NNE	NNE	NE	NE	NNE	2
NW	NW	NNW	NNW	N	N	N	N	NNE	NE	ENE	ENE	NNE	3
NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	N	NNE	NE	N	4
NW	NW	NW	NNW	NNW	N	N	N	N	NNE	N	NNE	N	5
NW	NW	NW	NNW	N	N	N	NNW	NNW	NNW	NNW	NNW	N	6
SSE	NW	WNW	NW	NW	NW	NW	N	NNE	NE	NE	NNE	NE	7
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NE	ESE	N	8
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	N	9
E	WNW	WNW	NW	NNW	NNW	NNW	NNE	SE	SE	SE	SE	NNE	10
NW	NW	NNW	NNW	NNW	NNW	NNW	NW	WSW	SW	SW	SW	N	11
SW	SW	WSW	W	W	WSW	WSW	WNW	WNW	SW	SW	SSW	SW	12
SW	WSW	W	WNW	WNW	NW	NW	NW	N	N	NNW	NNW	SW	13
NW	NW	NW	NW	NNW	NNW	NNW	N	NNW	NNW	NW	NNW	NNW	14
NW	WNW	WNW	WNW	NW	NW	W	WSW	WSW	WSW	SW	SSW	WNW	15
NW	NW	NW	NW	NW	NW	NW	NNW	NNW	N	N	N	NNW	16
NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	17
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	NE	NNE	NNE	N	18
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	N	NNE	N	19
NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	NNE	N	N	N	N	20
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NE	N	21
NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	N	N	22
NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	23
NW	NW	NW	NW	NW	NNW	NNW	NNW	N	N	N	NNE	N	24
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	25
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	26
NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	27
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	28
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	N	Mean.

DIRECTION OF WIND, 1934.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MARCH.

Date.	Hours (B.M.T.)											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	NNE	NE	NNW	N	NE	E	E	E	E	E	NNW	NNW
2	NNE	NNE	NNE	NNE	NNE	NE	NNE	NE	ENE	NNE	NNW	NNW
3	NNW	NNW	N	N	N	NNE	NNE	NNE	NNE	NNE	N	N
4	N	N	NNE	NNE	NNE	NNE	NE	NE	NNE	N	N	N
5	NNW	N	NE	NE	NNE	NNE	NE	NE	ESE	SE	NW	NNW
6	N	NNE	NE	NE	NE	NE	ESE	SE	SE	SSE	SSW	NW
7	NE	NE	NE	NE	NE	NE	ENE	E	ENE	NNE	NNW	NNW
8	E	NE	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE	E	NW
9	NNE	NE	NNE	NE	NE	NE	NNE	NNE	NNE	N	N	NNW
10	NNW	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	variable	NNW
11	NNW	NNW	NNW	NNW	NNW	NNW	NE	NE	NNE	N	NNW	NNW
12	N	N	NE	NE	NE	NE	NE	NE	NE	N	NNW	NNW
13	NNW	NNW	N	NE	SE	SE	E	ESE	ESE	SE	NNW	NW
14	NE	NNE	NNE	NE	NE	NE	NNE	NE	E	E	NNW	NNW
15	NE	NNE	NNE	NNE	NNE	NE	NE	NE	ENE	EN	ENE	ENE
16	SE	SE	ESE	ESE	E	ENE	ENE	E	ESE	E	ESE	variable
17	SSW	SSW	SSW	SSW	SSW	SSE	SE	SSE	S	SSW	WSW	WSW
18	SW	WSW	W	WSW	WSW	SE	SE	E	E	ESE	variable	NW
19	NW	NW	NW	N	NNW	NNW	N	N	N	N	NNW	NNW
20	N	NNW	N	NNE	NNE	NNE	NE	NNE	NNE	N	NW	NW
21	NNW	N	N	ENE	ESE	ESE	NW	SW	SSW	SSW	WNW	WNW
22	WNW	SW	SW	SW	SE	SE	SE	SE	SSE	SSW	WNW	NW
23	WNW	W	SW	SW	SSE	SSE	SSE	SSE	S	SW	W	WNW
24	NNW	NNW	N	SE	SE	SE	ESE	SE	ESE	SE	NW	NW
25	N	NNE	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NNW	NNW
26	N	NE	NE	NNE	NNE	NNE	NNE	N	N	N	NNW	NNW
27	N	N	NNE	NE	NNE	NNE	NE	NE	NNE	SE	NNW	NNW
28	N	N	NNE	NNE	NNE	NNE	ESE	E	SE	S	SW	WNW
29	WSW	WSW	SW	SW	SSW	SSE	S	SSE	SSW	SW	W	W
30	WNW	SW	NW	ENE	ENE	NE	NE	ESE	SSE	SSW	SW	SW
31	WSW	SW	SSW	SSE	SE	SE	SE	SE	SE	SW	WSW	WSW
Mean.	NNW	N	NNE	NNE	NE	NE	ENE	ENE	ENE	NE	NNW	NW

APRIL.

1	W	W	WNW	WNW	SSW	SSW	SSW	S	SSW	SW	WSW	WSW
2	WSW	SW	SW	SE	SE	SE	SE	SE	SSE	SSW	WSW	WNW
3	N	NE	NE	NE	NE	SSE	SW	WSW	SW	SW	SW	W
4	N	N	N	NE	NE	ESE	N	NNW	NNW	NW	WNW	W
5	W	WSW	WSW	SW	WNW	SSE	SE	SE	SSE	SW	SW	WSW
6	SW	SW	WSW	WSW	NW	SW	W	SSW	SSE	SW	SW	SW
7	SW	WSW	WSW	WSW	NW	NW	SSW	E	ESE	SE	SSW	NW
8	SSW	SSE	WSW	WSW	WSW	NW	NW	NW	NW	NW	NW	NW
9	SW	WSW	WSW	WSW	SW	SE	SE	SSE	SSE	SSW	WNW	NW
10	W	WSW	SW	SW	SW	SW	SSW	SSW	SSW	SW	WNW	NW
11	WNW	SW	SW	SSW	SSW	SSW	SSW	SW	SW	SW	W	WNW
12	NNE	E	ESE	ESE	ESE	ESE	Calm	SSE	SSW	SW	W	W
13	N	N	NNE	NE	NE	ENE	SSE	SSE	SW	SW	SW	WSW
14	N	N	NE	NE	NE	NE	ENE	ESE	ESE	NW	NNW	NW
15	SW	SW	SW	S	S	S	SSE	SE	SE	SSE	SW	WSW
16	SW	SSW	SSW	SSE	SSW	SSW	SSW	SSE	S	SW	SW	WSW
17	WSW	WSW	SW	SW	SSE	SE	SE	SSE	S	WNW	W	WNW
18	WNW	W	WNW	NW	NW	NW	NW	SE	SSE	SW	WNW	W
19	W	W	WSW	SE	SE	SE	SSW	SSE	SSE	SW	SW	WSW
20	W	WNW	W	WSW	WSW	WSW	WSW	WSW	SW	SW	W	W
21	WNW	NW	NW	N	SSE	SW	SW	SSW	WSW	WSW	WNW	WNW
22	WNW	NW	NW	NNW	NNW	SSE	SE	SE	SSE	NW	NW	NW
23	NNW	NNW	NNW	NNW	N	NE	NE	NE	NNW	NNW	NNW	NNW
24	NNW	NNW	NNW	N	NE	NE	NE	NE	N	NNW	NNW	NNW
25	NNW	NNW	NNW	NNW	N	NE	NE	NE	NNE	N	N	NNW
26	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
27	N	N	NE	NE	NE	NE	NE	NNE	ESE	SE	NW	NW
28	NNW	NNW	N	NE	NE	NE	NE	NE	NNE	N	NNW	NNW
29	NNW	NNW	N	N	N	SSE	SE	SSE	S	SSW	WSW	W
30	NW	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW
Mean.	NW	NW	WNW	WNW	WNW	SSE	SSE	SE	S	W	WNW	WNW

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MARCH.

Hours. (B. M. T.)												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
NNW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NE	NNE	NNE	N	1
NNW	NNW	N	N	N	N	N	N	NNE	NNE	NNE	NNE	N	2
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	NNW	NNW	N	3
N	N	N	N	N	N	N	NNW	N	N	NNW	NNW	N	4
NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	5
NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE	N	NE	N	6
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	ENE	E	N	7
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NE	N	8
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	N	9
NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NW	N	10
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	11
NNW	NNW	NNW	NW	NW	NNW	NNW	NW	NW	NW	NW	NW	NNW	12
NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NE	NE	NNW	13
NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NE	NNE	N	14
NNW	NNW	NNW	N	NNW	N	N	N	N	N	E	ESE	N	15
WNW	WNW	W	WNW	WNW	WNW	NW	NW	N	variable	SSW	SW	ENE	16
W	W	W	W	W	WSW	WSW	SW	SW	SSW	SSW	SW	SW	17
NW	NW	NW	NW	NW	NW	NW	NNW	NNW	variable	NW	WNW	NW	18
NNW	NNW	NNW	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	19
WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	NNW	20
WNW	NW	NW	NW	NNW	NW	NW	WNW	WNW	NW	NW	WNW	NW	21
NW	NW	NW	NW	NW	NW	NNW	WSW	WSW	SSW	SW	WNW	WNW	22
WNW	NW	NW	NW	NNW	NNW	NW	NW	NW	NW	NW	NW	WNW	23
NW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	NNW	24
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	25
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	26
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	27
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	SW	SW	SW	SW	NNW	28
W	W	WNW	WNW	W	SW	SW	SW	SW	SW	WSW	W	WSW	29
WSW	W	W	W	WSW	SW	SW	SW	SW	SW	SW	SW	SW	30
WSW	WSW	W	W	W	WSW	SW	SW	SW	SW	SW	WSW	SW	31
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	Mean.

APRIL.

W	W	WNW	WNW	WNW	WNW	WNW	W	SW	WNW	WNW	WNW	W	1
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	2
WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	NW	NW	NNW	NNW	WNW	3
W	W	W	W	WSW	WSW	WSW	WSW	SW	SW	SW	SW	W	4
WSW	W	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	W	WNW	WSW	5
S	WSW	W	W	W	W	WSW	WSW	SW	SW	SW	SW	WSW	6
N	NW	NW	NW	NW	NW	NW	WNW	SW	SW	SW	SW	WNW	7
WNW	WNW	NW	NW	NW	NW	NW	NW	WNW	WSW	WSW	SW	WNW	8
NW	NW	NW	NW	NW	NNW	NNW	NW	SW	SW	SW	W	WNW	9
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NW	NW	WNW	10
WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	WNW	11
WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NW	12
W	W	WNW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	WNW	13
NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	SW	SW	SW	NNW	14
WSW	W	WSW	W	W	WNW	WNW	WSW	WSW	WSW	SW	SW	SW	15
WSW	WSW	WSW	WSW	WSW	W	W	WSW	SW	SW	SW	SW	SW	16
WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WSW	WSW	W	17
WNW	WNW	W	W	W	W	W	WNW	W	W	W	W	W	18
W	W	WNW	WNW	WNW	WNW	WNW	WNW	WSW	WSW	WSW	WSW	WSW	19
WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	20
WNW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NW	WNW	21
WNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	22
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	23
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	24
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	25
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	26
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	27
NNW	NNW	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	28
WNW	WNW	NW	NW	NW	WNW	WNW	WNW	W	WNW	NW	WNW	WNW	29
NNW	NW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	NW	30
WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	Mean.

DIRECTION OF WIND, 1933.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MAY.

Date.	Hours (B. M. T.).											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	WNW	WNW	WNW	WNW	NW	NW	SSE	SSE	SSW	SW	NW	NW
2	NNW	NNW	N	N	N	NE	NE	NNE	NNW	NNW	NW	NW
3	NNE	NE	NE	NE	Calm	Calm	WNW	WNW	NW	W	W	WNW
4	NE	NE	NE	Calm	NW	NW	NW	WNW	W	W	W	W
5	WNW	WNW	NW	NW	NNW	NNW	Calm	SSE	NNW	NW	WNW	WNW
6	WNW	WNW	W	WSW	W	WSW	WSW	SE	SE	WNW	NW	NW
7	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW
8	NW	NW	NW	NNW	NW	NNW	NNW	NNW	SSE	SSW	WSW	WNW
9	NNW	NNW	NNW	NNW	NNE	NE	NE	NNE	N	NNW	NNW	NNW
10	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW
11	NW	NW	NW	NW	NNW	N	NNE	NNE	N	N	NNW	NW
12	NNW	NNW	N	N	NNE	NE	SE	SE	SE	S	SW	NW
13	SW	SW	NW	NW	NE	NE	NE	ENE	ESE	NW	NW	NW
14	SW	SW	WSW	WNW	NW	NNW	NW	WSW	SW	SW	WSW	W
15	SW	SW	SW	WSW	WSW	WSW	W	W	WNW	W	NW	WNW
16	WNW	WNW	WSW	SW	SW	WSW	WSW	SW	WSW	W	W	W
17	NNW	N	N	N	NNW	NNW	NW	WNW	W	SW	W	W
18	NNW	NNW	NNW	N	N	N	NNW	NW	WNW	WNW	WNW	W
19	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	WNW	WNW	W
20	NNW	NW	NW	NW	NNW	NW	NNW	NW	NW	NW	WNW	W
21	WNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW
22	NW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	NNW	NNW	NNW	NW
23	NW	NW	NW	NNW	NNW	N	NNE	NNW	NNW	NNW	NNW	NNW
24	NNW	NNW	NNW	NNW	NNW	N	N	NNE	N	NNW	NNW	WNW
25	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	W	WSW	SW
26	W	W	WNW	WNW	WNW	WNW	WSW	WSW	SSW	S	S	SSW
27	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	W	WSW	W
28	WSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
29	WSW	WSW	W	WSW	WSW	WSW	W	W	WSW	WSW	W	W
30	WNW	WNW	W	W	WNW	WNW	NW	ESE	ESE	WNW	WNW	WNW
31	WNW	NW	NW	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW
Mean.	WNW	WNW	WNW	NW	NW	NNW	NW	NW	NW	WNW	WNW	WNW

JUNE.

1	WNW	WNW	WNW	WNW	NNW	NNW	NNW	NNW	NW	NW	NW	NW
2	WNW	NW	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	WNW
3	WSW	W	W	W	W	W	W	SW	SW	SSW	SSW	SSW
4	WSW	SW	SW	SW	SW	SW	WSW	W	W	WSW	WSW	WSW
5	WSW	WSW	WSW	WSW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	WSW
6	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	W	WSW	WSW	WSW
7	SSW	SSW	SSW	SSW	W	W	W	WSW	WSW	WSW	W	WSW
8	W	W	WSW	WSW	SSW	N	NE	ENE	NNW	NNW	NNW	WNW
9	ENE	NW	NNW	NNW	NNW	NNW	ENE	ENE	ENE	ENE	ENE	SSE
10	SE	NE	E	SE	S	WNW	NW	NNW	NNE	ENE	ENE	ENE
11	SW	SW	SSW	SSE	SSE	SSE	SE	SE	SE	SE	WSW	NW
12	WSW	WSW	WSW	E	SSW	N	SE	SE	SE	SSW	WSW	WSW
13	SE	SE	SE	SE	SE	SSE	SE	ESE	ESE	SE	WSW	WSW
14	SSE	S	SSE	S	SSE	SSE	SSE	S	S	S	SSW	SSW
15	SSW	SSW	SSW	SSW	SSW	SSW	S	SSW	SSW	SSW	SW	SW
16	S	S	S	S	S	SSW	S	S	SSW	SW	SW	WSW
17	SSE	S	S	SSW	W	WSW	SW	SW	SSW	S	SSW	SW
18	WSW	WSW	WNW	SW	SE	SW	WSW	SW	SW	SW	SW	SW
19	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW
20	SW	WSW	WSW	WSW	WSW	SE	SE	SSE	S	SSE	SSE	SSW
21	SSE	S	S	SSW	SW	SE	SE	SE	SE	SW	SSW	SW
22	WSW	WSW	WSW	SW	WSW	WSW	WSW	SW	SW	SW	SSE	SSE
23	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	WSW	WSW	WSW
24	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
25	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
26	SW	SW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW
27	WSW	WSW	WSW	WSW	WNW	WSW	NW	WSW	WSW	WSW	WSW	WSW
28	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
29	WSW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
30	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
Mean.	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MAY.

Hours. (B. M. T.)												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	1
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	2
WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NW	3
W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	4
NW	NW	NW	NW	WNW	NW	NW	NW	NW	NNW	N	NW	NW	5
NW	NNW	NNW	WNW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NW	6
NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NW	NW	NW	7
WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNW	NW	NW	NNW	NW	8
NNW	NNW	NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	9
NW	NW	NW	NW	NW	NW	WNW	W	W	WNW	WNW	WNW	NW	10
NW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	11
NW	NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	12
NW	NW	NW	NW	NW	NW	NW	NW	WNW	SW	SW	SW	WNW	13
WNW	WNW	NW	NW	NW	NW	NW	WNW	WSW	SW	SW	SW	W	14
WNW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NW	WNW	W	15
WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NNW	NNW	WNW	16
W	W	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNW	WNW	17
W	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	WNW	18
WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	19
W	W	W	WNW	WNW	WNW	WNW	WNW	W	W	W	WNW	WNW	20
NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NW	NW	NW	NW	21
NW	NW	NW	NW	NNW	NW	NW	NW	WNW	WNW	NW	WNW	NW	22
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	23
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	24
WSW	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	W	25
SSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	26
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	27
WSW	WSW	W	W	W	W	W	W	W	W	W	W	WSW	28
W	W	W	W	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	W	29
WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	30
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	31
WNW	WNW	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	WNW	NW	Mean.

JUNE.

WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	WNW	WNW	NW	1
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WSW	WSW	WNW	2
WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	3
SW	SSW	SSW	SW	WSW	WSW	WSW	WSW	WSW	SW	SSW	SSW	SW	4
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	5
W	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	SSW	WSW	6
WSW	W	W	W	W	W	W	W	W	W	W	W	W	7
ENE	SSE	WSW	WSW	W	W	NW	NW	NW	NNW	NNW	NNW	WNW	8
WNW	WNW	WNW	WNW	WNW	WNW	NNW	NNW	WNW	ENE	ENE	ENE	NW	9
variable	NW	NW	WNW	WNW	WNW	W	WNW	WSW	SSW	SSW	SSW	NW	10
N	E	E	WNW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	SSW	11
WSW	WSW	WSW	WSW	SW	SW	SSW	SSW	SSE	SE	SE	SE	SSW	12
WSW	W	WSW	SW	SSW	S	S	S	S	SSE	SSE	SSE	S	13
SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	SSW	14
SW	SSW	SW	WSW	WSW	SW	SSW	SW	S	S	SSW	SSW	SSW	15
W	WSW	WSW	WNW	SE	SS	SSW	SSW	SSE	SE	SSW	SSE	SSW	16
SSW	SSW	S	SSW	SSW	SSW	SSW	SSW	SW	SW	W	WSW	SSW	17
SW	SW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WNW	SW	SW	WSW	18
SW	WSW	WSW	SW	WNW	WSW	SW	SW	SW	SW	SW	SSW	SW	19
SSW	SSW	SSW	SSW	SW	SW	SSE	SSE	S	S	S	S	S	20
SSE	S	SSE	SSW	SSW	SSW	SSW	SW	SW	SW	SW	WSW	SSW	21
SSE	S	SSE	WNW	SW	NW	NW	WSW	SSE	SW	SW	SW	SW	22
WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	WSW	WSW	WSW	23
WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	24
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	WSW	25
SW	WSW	WNW	SSW	SW	SW	SW	WSW	WSW	S	WSW	WSW	WSW	26
WSW	SW	WSW	W	WNW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	27
WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	28
WSW	WSW	SW	SW	WSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	29
WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	30
SW	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	Mean.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JULY.

Date.	Hours (B.M.T.)											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	WSW	WSW	WSW	WSW	SW	SW	WSW	W	WNW	W	WSW	WSW
2	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW
3	WSW	WSW	WSW	WSW	SW	SW	WSW	WSW	SW	SW	WSW	W
4	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
5	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW
6	WSW	W	W	W	W	W	W	W	WSW	WSW	WSW	WSW
7	WSW	WSW	W	W	W	W	W	WSW	W	W	WSW	W
8	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
9	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	WSW	W	W
10	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W
11	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW
12	WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW
13	SW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
14	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
15	SW	SW	SW	SW	SW	SW	WSW	WSW	SW	SW	SW	SW
16	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW
17	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW
18	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW
19	SW	WSW	WNW	WNW	NW	NW	WNW	WSW	WSW	WSW	WSW	W
20	NW	SE	WNW	N	S	SSE	SSE	SW	SE	SE	SE	W
21	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W	W	W	W
22	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	W	WSW	WSW
23	WSW	W	W	W	W	W	W	W	W	W	W	W
24	WSW	W	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW
25	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W
26	W	W	WNW	WNW	WNW	NW	WNW	NW	NW	E	ESE	ENE
27	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NNW	NNW	NW
28	SSW	WSW	SSW	WSW	NW	N	NW	N	NE	ESE	NNE	NW
29	SE	SE	SW	WNW	SSW	SSW	SE	NW	SSW	SSW	SW	SW
30	WSW	WSW	WSW	W	W	W	WNW	WNW	WNW	WNW	NW	WNW
31	WNW	NW	W	W	W	NW	NW	W	W	W	W	W
Mean.	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW

AUGUST.

1	WNW	SW	SW	WSW	WSW	WSW	W	W	W	W	WNW	WNW
2	WSW	WSW	WSW	WSW	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW
3	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	W	W	WSW
4	WSW	W	WSW	WNW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W
5	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW
6	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW
7	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW
8	SW	SW	SW	WSW	SW	WSW	SW	SW	SW	SW	SW	WSW
9	SW	SW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W
10	WSW	W	W	W	W	WSW	WNW	WNW	WSW	WSW	WSW	W
11	WSW	WSW	WSW	W	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW
12	W	W	WSW	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW
13	WNW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW
14	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	W
15	WSW	WSW	WSW	W	W	WSW	WSW	WSW	WSW	WSW	W	WSW
16	WSW	WSW	W	WSW	WNW	WNW	WSW	WSW	WSW	WSW	WSW	W
17	W	W	W	W	W	W	W	W	W	W	W	WNW
18	W	W	W	W	W	W	WSW	WSW	W	WSW	WSW	W
19	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
20	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW
21	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	SW	WSW	WSW	WSW
22	SW	WSW	SW	SW	SW	WSW	WSW	SW	WSW	SW	WSW	WSW
23	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
24	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW
25	SW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	SW	SW	W
26	SW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SW	SW
27	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW
28	SW	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW
29	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW
30	SE	SE	SE	S	SSE	SSE	SE	S	S	SSE	S	SSW
31	W	W	W	W	W	W	WSW	WSW	WSW	WSW	W	WSW
Mean.	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW

(Averages for periods of sixty minutes from full hour to full hour of local mean time).

JULY.

Hours (B.M.T.).												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	1
WSW	WSW	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	2
W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	3
WSW	SW	SW.	SW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	4
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	5
WSW	WSW	WSW	WSW	WNW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	6
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	7
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	8
W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	9
W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	10
W	WSW	WSW	WSW	WNW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	11
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	12
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	13
SW	SW	SW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	14
SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	W	SW	SW	15
WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	16
WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	17
WSW	SW	SW	SW	WSW	SW	WSW	WSW	WSW	SW	SW	WSW	WSW	18
WSW	WSW	WSW	WNW	WNW	WSW	SSW	NW	W	WSW	W	WNW	W	19
W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	20
W	W	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	21
SW	SW	SW	WSW	W	WNW	W	W	W	WSW	WSW	WSW	WSW	22
W	W	W	WSW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	W	23
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	WSW	WNW	24
W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	25
N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	26
NW	NW	NNW	NE	N	N	W	W	ENE	WSW	S	SSW	NW	27
NW	NW	NW	NW	NW	WNW	WNW	NW	NW	ENE	SE	SE	NW	28
WSW	NW	WNW	WNW	WNW	W	WNW	WNW	NW	Calm	SE	SSE	WSW	29
WNW	WNW	W	WNW	WNW	NW	NW	NW	WSW	W	W	W	WNW	30
WSW	WNW	WNW	NW	NW	WNW	W	W	WNW	NW	WNW	WNW	WNW	31
W	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	Mean.

AUGUST.

WNW	NW	WNW	WNW	W	WSW	W	W	W	WSW	W	WSW	W	1
WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	NW	WSW	SSW	WSW	W	2
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	3
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	4
WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	WSW	WSW	5
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	6
SW	SW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	7
SW	WSW	WSW	W	WSW	W	WSW	SW	SW	SW	SW	SW	WSW	8
WSW	WSW	W	W	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	9
W	W	W	WSW	W	WSW	W	WSW	SW	WSW	W	WSW	W	10
W	WSW	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	11
WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	12
WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	13
W	W	W	W	WNW	WNW	W	W	W	W	W	W	WSW	14
WSW	WSW	W	WNW	NW	WNW	WNW	W	WNW	W	W	WSW	W	15
W	W	WSW	WSW	W	W	WSW	WSW	W	W	W	W	W	16
WNW	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	W	17
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	18
WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	19
SW	SW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	WSW	WSW	20
WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	SW	SW	SW	WSW	21
WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	SW	SW	WSW	WSW	22
WSW	WSW	W	W	WNW	W	W	WSW	WSW	WSW	SW	WSW	WSW	23
WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW	SW	SW	WSW	24
W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW	25
WSW	W	W	WSW	WNW	WSW	WNW	W	W	WSW	WSW	SW	WSW	26
SW	WSW	WSW	W	W	WNW	WNW	WNW	W	WSW	WSW	SW	WSW	27
WSW	W	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	28
SW	W	W	WSW	WSW	WSW	SW	SW	ESE	SE	SE	SE	SW	29
SW	WSW	W	W	WNW	W	W	W	W	WNW	WSW	W	SSW	30
WSW	W	W	W	WNW	WNW	NW	WNW	W	W	W	NW	W	31
WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	Mean.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER.

Date.	Hours (B. M. T.)											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	W	WSW	WSW	WNW	WSW	WSW	WSW	WSW	WSW	WSW	W	W
2	WNW	WNW	WNW	WNW	W	WNW	NW	WNW	NW	W	NW	WNW
3	WNW	WSW	W	SW	WNW	W	W	SE	W	WNW	W	W
4	WNW	NW	SE	SE	W	W	W	W	WSW	W	WNW	N
5	WSW	W	W	W	W	WNW	W	ENE	E	E	SE	SE
6	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
7	SE	ESE	SE	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
8	W	WSW	WSW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	NW
9	SSW	SSW	SSW	SW	SW	WSW	WSW	WSW	WSW	SW	SW	W
10	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW
11	WSW	W	W	W	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW
12	WNW	SSE	SSW	SSW	SSE	SSW	SW	SE	SSE	NW	WNW	WNW
13	WSW	WSW	WSW	SW	SSE	W	WNW	SSW	SSE	S	SW	SW
14	W	W	WSW	WSW	SW	W	SW	SSW	WSW	WNW	WNW	WNW
15	Variable	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
16	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WNW	WNW	WNW	WNW
17	WSW	WSW	W	WNW	W	WNW	WNW	WNW	WNW	WNW	NW	WNW
18	WSW	WSW	WSW	WSW	W	W	WNW	W	WNW	WNW	W	W
19	WSW	W	W	WSW	WSW	W	W	WNW	W	WSW	SW	WSW
20	S	S	SSE	SE	SE	SSE	SSE	SSE	S	S	S	S
21	SSE	SSE	SSE	SSE	SSE	SW	WSW	SW	SW	SSW	SW	SW
22	SW	SW	SW	SW	SW	SW	SSW	SW	SW	SW	SW	SW
23	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW
24	SW	WSW	SW	SW	SW	SW	SW	SW	SW	WSW	SW	SW
25	W	W	W	W	W	W	W	W	W	W	W	WNW
26	WNW	W	W	WNW	W	SE	SW	WNW	NW	WNW	WNW	WNW
27	WNW	WNW	WNW	NW	NW	NW	N	ENE	ENE	ENE	WNW	NW
28	NW	NW	NNW	NE	NE	NNE	NE	NE	NE	ENE	NNE	NW
29	NW	NW	SE	SE	SE	SE	SE	SE	E	ESE	SE	W
30	SW	NW	SE	SE	SE	SE	SSE	S	SSW	SSW	SSW	SSW
Mean.	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W

OCTOBER.

1	WNW	NW	NW	SW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW
2	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW
3	NW	NW	NW	NNW	NE	NE	ENE	ENE	ENE	E	SE	WNW
4	NE	NE	NE	NE	NE	E	ENE	ENE	ENE	ENE	NE	N
5	N	N	N	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW	NNW
6	NNW	NNW	NNW	N	NNE	NE	NE	N	N	N	NNW	NW
7	NNW	N	N	N	NNE	NNE	NE	NNE	ENE	ENE	NW	NW
8	NNW	NNW	NNW	N	NNE	NE	ENE	ENE	ENE	ENE	NNW	WNW
9	NNW	NNW	NNW	NNW	N	N	N	N	N	NNW	NNW	NW
10	NE	N	NNW	NNW	NNW	N	N	NNE	NNE	NNW	NW	NW
11	NNW	NNW	NNW	N	N	NNE	NE	NE	ENE	ENE	variable	NW
12	NE	NNE	N	N	N	NE	NE	NE	ENE	ENE	ENE	ENE
13	ESE	SE	ENE	N	N	N	NE	NE	ENE	ENE	ENE	ESE
14	SE	ESE	SE	SE	ESE	NE	NE	ESE	ESE	SE	SW	SW
15	SSE	SSE	SSE	SSW	SSW	SE	ENE	ENE	E	E	NW	NW
16	SE	SE	SE	NE	NE	N	N	NNE	NE	ENE	ENE	E
17	ESE	NNW	ENE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	E
18	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE
19	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE
20	N	NE	NE	ENE	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE
21	N	N	Calm	N	NE	ENE	NE	NE	ENE	ENE	NE	ENE
22	NNE	NE	ENE	NE	NNE	ENE	NE	ENE	ENE	ENE	ENE	ENE
23	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
24	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE
25	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
26	ENE	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE	ENE	NE	NE
27	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE
28	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE
29	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
30	ENE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ESE
31	SE	ESE	ESE	ESE	ESE	ENE	NE	ENE	ENE	NE	ENE	E
Mean.	NE	NE	NE	NE	NE	NE	NE	NE	ENE	NE	NNE	NNE

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER.

Hours (B.M.T.)												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
W	WSW	W	W	W	WSW	WSW	WSW	W	WNW	WNW	WNW	W	1
WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	2
W	W	WSW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	W	3
N	N	NNW	W	NNE	NW	W	WNW	WNW	WSW	WSW	WSW	WNW	4
SW	SW	W	WNW	WNW	NW	NW	NW	NW	NW	WNW	WNW	WNW	5
NW	NNW	ENE	N	N	NNE	NNE	SE	SE	SE	ESE	SE	WNW	6
WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	7
WNW	WNW	W	WSW	WSW	SW	W	WSW	WSW	WSW	WSW	WSW	WSW	8
WSW	WSW	WSW	WSW	SW	WSW	SW	SW	WSW	W	SW	WSW	WSW	9
WSW	W	W	WSW	WSW	WSW	W	W	WNW	WNW	W	WSW	WSW	10
WSW	WSW	WSW	WNW	W	W	W	W	W	NW	NW	NW	W	11
WNW	NW	WNW	NW	WNW	W	W	W	W	WNW	WSW	WSW	W	12
WSW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	13
W	W	W	W	NW	NNW	WNW	WNW	NNW	W	NW	NW	W	14
WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	W	WSW	WSW	WNW	15
WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WSW	WSW	WSW	W	16
WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WSW	WSW	WSW	WSW	W	17
W	WNW	WNW	WNW	WNW	W	W	W	W	W	W	WSW	W	18
WSW	SW	WSW	W	W	W	WSW	WSW	SW	SW	SSW	SSW	WSW	19
SW	SW	SW	SW	SW	SSW	SW	SW	SSW	SSW	SSW	SW	SSW	20
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	21
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	22
WSW	WSW	WSW	SW	WSW	SW	SW	WSW	WSW	SW	SW	SW	SW	23
SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	NNW	WSW	24
W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	25
W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	26
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	27
NW	NW	NW	NW	SW	NW	NW	NW	NW	NW	SW	SSW	NW	28
W	NW	NW	NW	NW	NW	NNW	NE	N	SE	SSW	SW	NW	29
SSW	WSW	W	W	WNW	WNW	W	WSW	SW	WSW	W	WNW	SW	30
W	W	W	W	W	W	W	W	W	W	WSW	WSW	W	Mean.

OCTOBER.

WSW	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	W	1
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	2
NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	3
NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	N	N	NNW	4
NNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNW	5
NW	NW	NW	NW	NW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	6
NW	NW	NW	NW	NW	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	7
WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	8
NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	9
WNW	NW	NW	NW	NW	NNW	NNW	NW	NW	NW	NW	NNW	NNW	10
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNW	11
WNW	WNW	NW	NW	WNW	SSE	SE	SE	ESE	ESE	ESE	ENE	E	12
WNW	WNW	WNW	WNW	NW	NW	ENE	ENE	ENE	NE	ENE	ENE	NE	13
WSW	WSW	WSW	W	W	WSW	NW	NNW	N	N	SE	SE	S	14
NW	NW	NW	NW	NW	NW	NNW	NNW	NE	ENE	SE	SE	NNW	15
SE	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	N	ESE	N	16
NW	WNW	WNW	NW	NW	NW	NNW	N	N	N	ESE	ESE	NNE	17
ENE	W	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	N	N	NNE	18
ENE	ENE	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	19
ESE	ESE	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	20
ENE	NW	NW	NW	NNW	NNW	NNW	N	N	N	N	NNE	NNE	21
ENE	WNW	NW	NW	NNW	NNW	NNW	N	N	NNE	NNE	ENE	NNE	22
E	WNW	NW	NW	NNW	NNW	NNW	N	N	N	NNE	ENE	NNE	23
NE	NE	ENE	NW	NW	NNW	NNW	NNW	N	ENE	ENE	ENE	NE	24
NE	NE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NE	NNE	25
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNE	NNE	ESE	NNE	26
NE	NW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NNE	NNE	27
ENE	NE	NE	NE	NW	NNW	NNW	NNW	NNW	N	NE	ENE	NE	28
NE	NE	NE	NE	NW	NNW	NNW	NNW	NNW	NNE	NE	ENE	NE	29
ENE	NE	WNW	NW	NW	NNW	NNW	N	NE	ESE	SE	SE	NE	30
ESE	ESE	ENE	NE	NE	NE	NE	ENE	ENE	ENE	NE	NE	ENE	31
NNW	NW	NW	NW	NW	NNW	NNW	NNW	N	N	NNE	NNE	N	Mean.

DIRECTION OF WIND, 1934.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

NOVEMBER.

Date.	Hours (B. M. T.)											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	NE	NE	NE	NNE	NE	NE	NE	E	ESE	ENE	ESE	ESE
2	E	ENE	NE	NNE	NNE	NNE	NNE	NE	NE	NE	NNE	NNE
3	NE	NE	ENE	ENE	ENE	E	E	ESE	ESE	ESE	SE	SE
4	SSE	SSE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S
5	SSE	S	SSW	SSW	SSE	SSE	SSE	SE	SE	SE	SSE	S
6	SE	SE	SE	SE	SE	ESE	ENE	ENE	ESE	ENE	E	E
7	ENE	ESE	ENE	NE	ENE	ENE	ENE	NE	NE	NE	NE	NE
8	ENE	ENE	ESE	ESE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE
9	ESE	ESE	ENE	NNE	NNE	ESE	ENE	ENE	ESE	E	ENE	E
10	SE	SE	SE	SE	ESE	ESE	ESE	ENE	ENE	ENE	ENE	ENE
11	SE	NE	NE	ESE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE
12	NNE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
13	NNE	NE	NE	NNE	NE	NE	NNE	NE	ENE	ENE	ENE	ENE
14	ESE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	NE	ENE
15	NE	ENE	ENE	NE	NE	ENE	ENE	ENE	NE	NE	ENE	W
16	ENE	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	NNW
17	ENE	ESE	E	ENE	NE	NE	NE	ENE	ENE	ENE	NE	NE
18	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE
19	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
20	ESE	ESE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
21	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ESE	SE	SE
22	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
23	N	NE	NE	NE	ENE	ENE	ENE	ENE	BNE	ESE	E	ENE
24	NNE	NNE	NE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE
25	ENE	ESE	ESE	ESE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE
26	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE
27	ESE	ESE	ENE	ENE	ENE	ESE	ENE	ENE	ENE	ENE	ENE	NE
28	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
29	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE
30	ENE	ENE	NE	NE	NE	ENE	NE	NE	NE	NE	NE	NE
Mean.	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E

DECEMBER.

1	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE
2	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
3	ENE	ENE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
4	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
5	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
6	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
7	NE	NNW	NE	NE	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE
8	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	NE	ENE	NE	ENE
9	ESE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	SE	ESE
10	ENE	ENE	ENE	ENE	ESE	ESE	ENE	ENE	E	ENE	ESE	ESE
11	ESE	ENE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE
12	ESE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE
13	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ESE	ESE	ESE	E
14	NNE	ENE	ENE	ENE	E	ENE	ENE	E	ESE	NE	ENE	ESE
15	NNE	NE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
16	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
17	ENE	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE
18	ENE	ENE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	E	ENE	WNW
19	NE	NE	NE	NNE	NNE	NE	ENE	ENE	ENE	ENE	ENE	NNW
20	ESE	ESE	NE	NE	N	ENE	ENE	ENE	ENE	ENE	E	WNW
21	ENE	NE	NE	NNE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE
22	ESE	ENE	NE	ENE	ENE	ENE	E	E	E	E	ENE	E
23	ENE	ENE	ENE	ENE	E	ENE	E	ESE	E	ESE	SE	SSW
24	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE
25	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
26	NNE	E	ENE	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	Variable
27	ENE	ENE	ENE	E	ESE	ESE	N	ENE	ENE	E	ESE	SE
28	NNE	NNE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE
29	NE	NE	NE	NE	NNE	NE	NNE	ENE	ENE	ENE	ENE	ENE
30	NNE	N	N	N	N	N	NE	ENE	ENE	ENE	ENE	NNW
31	NE	NNE	NNE	NE	NNE	NE	NE	NE	ENE	ENE	ENE	E
Mean.	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

NOVEMBER.

Hours (B. M. T.)													Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Mean.	
E	ENE	ENE	ENE	ENE	NE	NE	ENE	ENE	NE	ESE	ESE	ENE	1
NNE	NNE	NE	E	ENE	NE	NE	NE	NE	NE	NE	NE	NE	2
SSE	SSE	S	S	S	S	S	S	SSE	SSE	SSE	SSE	SSE	3
S	SSW	SSW	SSW	SSW	SSW	SSE	SSE	SSE	SSE	SSE	SSE	S	4
S	S	SSW	SSW	SSW	SSW	SSW	S	S	SSE	SSE	SE	S	5
WNW	WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	N	N	N	N	6
ENE	ENE	NW	NNW	NNW	N	N	N	N	N	NE	NE	NNE	7
NE	ENE	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	ENE	ESE	NNE	8
WSW	WSW	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	ENE	NNE	9
SE	W	NW	NW	NW	NW	NW	NW	NNW	NW	NNW	NW	NE	10
NW	NW	WNW	NW	NW	NW	NNW	NNW	NNW	N	NNE	NNE	N	11
NW	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	N	N	N	N	12
NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	NE	ESE	ESE	N	13
ENE	WNW	WNW	WNW	NW	NW	NW	NNW	NNE	N	NE	ESE	NNE	14
NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNE	NE	NE	ENE	NNE	15
WNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNE	NE	NE	ESE	NNE	16
NE	ENE	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	NE	NNE	NNE	17
ENE	NE	NE	NW	NW	NNW	NNW	NNW	NNW	N	NNE	NE	NNE	18
ENE	ENE	ENE	NW	NW	NNW	NNW	NNW	NNW	N	NNE	NE	NE	19
ENE	ESE	NE	WNW	NW	NNW	NNW	NNW	N	N	NE	ENE	NE	20
ESE	ESE	SE	WNW	WNW	NW	NNW	NNW	N	N	N	N	ENE	21
ESE	WSW	WSW	WSW	WSW	WSW	WSW	WNW	N	N	NNE	N	ENE	22
ENE	W	WNW	WNW	WNW	WNW	NW	NNW	N	NNE	NNE	NNE	NNE	23
ENE	ENE	NW	NW	NW	NW	NNW	NNW	NNW	NNE	NNE	NNE	NNE	24
ENE	ENE	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	NE	SE	NNE	25
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	NE	NNE	26
NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NE	NNE	27
ENE	NW	NW	NW	NNW	NNW	NNW	N	N	NNE	NNE	NE	NNE	28
NE	NE	NW	NW	NNW	NNW	NNW	N	N	NE	E	ENE	NE	29
NE	NE	NE	NNW	NNW	NNW	NNW	N	N	NE	ENE	ENE	NE	30
ENE	NNE	NW	NW	NW	NNW	NNW	N	N	NNE	ENE	ENE	NE	Mean.

DECEMBER.

NE	NE	NE	NW	NNW	NNW	NNW	NNW	NNW	NNE	ENE	ENE	NE	1
ENE	ENE	NE	NNW	NNW	NNW	N	N	N	N	NE	E	NE	2
Variable	Variable	WNW	NW	NW	NNW	NNW	N	N	NE	NE	ESE	NE	3
ENE	WNW	NW	NW	NNW	NNW	NNW	NNW	N	N	NNE	ENE	NE	4
ENE	E	WNW	NW	NNW	NW	NNW	NNW	N	N	NNE	ENE	NE	5
ENE	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNE	NE	NE	NE	6
W	WNW	WNW	WNW	NW	NW	NW	NW	N	NNE	NNE	SE	NNE	7
E	W	W	WNW	WNW	WNW	NW	NNW	N	N	NE	ENE	NNE	8
SE	WNW	WNW	WNW	WNW	NNW	N	N	N	NNE	NNE	N	NE	9
ESE	ESE	WNW	WNW	NW	NNW	N	N	N	NNE	ENE	ESE	NE	10
NE	NE	NW	NNW	NNW	NNW	N	N	N	N	ENE	ESE	NE	11
NE	NE	NE	NNW	NNW	NNW	NNW	NNW	N	N	ESE	E	NE	12
E	NE	NE	NE	NNE	NW	NNW	N	N	NE	ENE	NE	ENE	13
ESE	ESE	WNW	WNW	NW	NW	NNW	NNW	NNW	N	N	NNE	NE	14
ESE	SE	WNW	WNW	WNW	NW	NW	NW	NNW	NNE	NE	NNE	NE	15
ENE	SE	W	WNW	WNW	WNW	NW	NW	NNW	NNE	NNE	ENE	NE	16
W	W	WNW	WNW	WNW	NW	NW	NNW	NE	ENE	NE	ESE	NNE	17
NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE	NE	N	18
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	SE	SE	N	19
NW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NE	NE	NNE	N	20
ENE	ESE	NW	NW	NNW	NNW	NNW	N	N	NE	NE	ESE	NNE	21
SE	WSW	W	W	WNW	WNW	NW	NNW	ENE	ENE	ESE	ESE	ENE	22
W	WNW	NW	WNW	NW	NNW	NNW	N	N	NNE	NNE	NE	NE	23
NE	NW	NW	NW	NW	NNW	NNW	N	NNE	NE	ENE	NNE	NNE	24
NW	NW	NW	NW	NW	NNW	NNW	N	NNW	N	NNE	NE	NNE	25
W	W	W	W	WNW	NW	NW	NNW	NNW	NE	NE	ENE	NNE	26
WNW	WNW	WNW	NW	NW	NW	NW	NNW	NNW	NE	NNE	NNE	N	27
NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	N	NE	NE	N	28
ENE	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	N	29
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NE	N	30
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	NE	N	31
NNE	NNW	NW	NW	NW	NNW	NNW	NNW	N	NNE	NE	ENE	NNE	Mean.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JANUARY. (IN DEGREES FAHRENHEIT.)

Date.	Hours (B. M. T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	73·2	72·6	72·4	71·2	70·5	69·9	69·1	69·5	72·2	73·2	75·0	76·7	79·2	80·3	80·7
2	72·6	72·7	72·0	72·3	71·4	70·7	70·2	70·8	72·2	73·9	75·6	78·3	80·6	81·4	81·6
3	72·8	73·3	72·5	72·5	72·2	71·5	71·0	71·5	72·2	73·0	75·2	77·2	79·3	80·5	80·7
4	74·3	73·7	72·8	72·4	72·3	71·6	71·3	71·2	72·5	74·4	75·5	77·2	79·2	80·8	81·7
5	73·8	73·9	73·6	73·0	72·5	72·7	72·7	73·2	73·7	75·0	77·2	79·3	80·3	79·9	79·2
6	74·5	74·2	74·0	74·4	74·0	73·6	73·3	73·0	73·4	75·2	76·9	77·7	78·1	78·0	78·0
7	74·8	74.6	74·4	74·0	73·6	72·8	73·0	73·6	75·3	76·7	77·4	78·8	80·0	80·6	81·0
8	72·6	72·5	72·3	72·0	71·5	71·5	71·6	72·0	72·8	74·0	76·0	76·8	77·5	78·1	79·0
9	70·7	71·4	70·8	70·0	69·8	69·3	68·6	69·0	71·8	74·2	77·5	78·0	78·9	79·7	80·3
10	72·5	71·5	70·9	70·3	70·3	69·7	69·1	69·7	72·5	75·3	77·3	79·0	81·3	81·4	81·0
11	72·4	72·1	71·4	70·7	70·6	69·7	69·0	68·3	71·3	73·3	76.7	77·9	79·3	80·3	80·4
12	70·1	70·0	69·6	69·3	68·2	66·9	65·8	66·0	67·9	69·6	71·1	72·7	73·4	73·5	73·2
13	61·2	59·9	58·5	57·7	57·0	56·2	55·8	56·7	59·2	62·1	65·1	67·9	70·3	72·3	73·0
14	63·2	62·7	61·4	60·6	60·2	59·5	59·2	60·2	63·6	67·3	71·2	73·1	75·1	76·2	76·3
15	68·2	67·0	65·2	64·6	62·4	61·7	62·2	63·0	65·3	69·1	72·9	75·2	75·9	76·6	76·7
16	66·6	65·3	64·3	63·8	63·3	62·7	63·0	63·7	65·7	68·8	70·7	72·6	74·4	75·4	75·6
17	66·3	65·6	64·5	64·7	64·4	63·9	63·8	63·3	66·6	70·2	73·4	75·1	76·6	77·5	77.6
18	67·4	66·3	66·2	66·5	65·7	64·9	65·2	66·0	67.6	69·1	71·8	75·0	77·7	77·9	78·3
19	67·5	66·8	66·5	66·2	65·9	66·4	65·6	66·0	68·5	70·2	72·2	73·8	75·7	76·0	76·2
20	67·0	65·9	66·4	66·0	65·4	64·5	64·1	63·8	65·6	68·5	70·7	72·3	74·3	75·2	75·2
21	63·5	62·8	62·0	61·2	60·2	59·0	58·2	58·6	61·7	65·1	67·7	70·3	72·6	73·7	73·6
22	62·5	62·0	61·2	60·1	59·5	59·2	58·6	59·0	62·3	66·1	69·8	73·3	76·9	76·6	75·4
23	67·1	67·5	67·4	67·2	66·2	65·7	65·6	66·3	68·3	70·0	72·5	76·0	79·7	82·4	80·8
24	66·3	66·2	67·1	67·0	66·5	66·5	66·0	66·9	69·3	71·6	74·3	77·3	81·9	84·8	85·6
25	69·0	68·5	67·2	66·7	66·6	67·4	66·6	67·3	68·5	70·3	73·3	76·8	79·8	80·1	79·9
26	70·8	70·7	70·5	70·3	70·0	69·8	69·9	70·8	72·2	73·0	75·4	78·3	82·8	85·7	**85·9**
27	73·4	73·5	73·0	72·9	72·5	72·3	72·1	73·0	74·4	75·2	78·2	82·4	84·8	84·2	84·6
28	75·4	75·0	74·3	73·9	73·5	73·4	73·4	74·0	74·3	75·8	76·7	78·6	78·8	77·6	76·1
29	70·5	70·4	70·7	70·6	70·2	69·9	69·6	69·7	71·7	73·4	74·5	75·5	75·2	74·2	74.2
30	68·8	68·6	68·4	68·0	67·1	66·2	64·6	63·9	65·1	66·3	67·4	68·0	68·5	68·8	68·8
31	60·9	59·4	57·9	57·1	56·9	56·2	**55·6**	56·8	60·7	64·1	68·0	70·3	72·0	73·1	73·7
Mean . .	69·4	68·9	68·4	68·0	67·4	66·9	**66·6**	67·0	69·0	71·1	73·5	75·5	77·4	**78·2**	78·2
Variation .	−2·4	−2·9	−3·4	−3·8	−4·4	−4·9	**−5·2**	−4·8	−2·8	−0·7	+1·7	+3·7	+5·6	**+6·4**	+6·4
Mean in °C. .	20·8	20·5	20·2	20·0	19·7	19·4	**19·2**	19·4	20·6	21·7	23·1	24·2	25·2	**25·7**	25·7
Variation in °C..	−1·3	−1·6	−1·9	−2·1	−2·4	−2·7	**−2·9**	−2·7	−1·5	−0·4	+1·0	+2·1	+3·1	**+3·6**	+3·6

FEBRUARY.

1	65·7	66·1	67·1	67·1	66·9	66·6	66·3	67·0	69·1	71 2	73·9	77·6	81·1	81·0	78·5
2	66·5	66·3	66·4	65·9	64·6	**64·5**	66·3	67·4	70·1	72·7	75·3	77·5	81·5	85·0	84·9
3	71·9	71·7	71·3	71·0	70·5	70·0	69·7	70·2	72·1	73·5	76·1	78·9	80·0	80·2	79·3
4	71·2	71·0	70·2	69·5	69·0	69·0	70·1	70·4	72·7	75·0	77·5	81·2	83·5	82·1	80·5
5	72·5	71·5	70·6	70·5	69·8	69.6	69·9	71·0	75·1	77·5	81·0	85·0	87·3	87·1	86·3
6	74·0	73·0	73·0	72·5	71·6	71·1	71·4	72·1	74·8	78·0	82·4	85·0	84·0	84·6	84·5
7	71·5	71·5	71·4	71·5	70·9	70·3	70·4	70·9	72·9	74·7	77·0	81·0	85·0	85·8	84·5
8	73·9	72·7	71·7	70·7	69·6	69·3	69·8	70·7	73·0	74·3	77·0	81·0	82·3	83·5	83·3
9	72·4	71·8	71·3	70·5	69·9	69·9	69·5	70·9	72·6	74·8	79·2	82·4	82·6	82·3	82·3
10	72·9	72·0	71·2	71·3	70·9	71·2	71·2	71·5	73·9	75·1	79·5	83·7	87·3	**90·3**	88·8
11	73·5	73·3	72·7	71·4	70·0	69·9	70·0	71·2	73·1	74·9	77·2	80·9	83·6	83·4	83·5
12	75·2	75·0	74·9	74·4	73·5	72·4	71·0	72·6	74·0	76·0	78·8	79·9	80·4	81·6	81·6
13	74·1	74·3	73·5	72·7	72·5	72·5	72·4	72·4	73·0	74·8	77·0	78·1	79·5	80·7	81·0
14	72·2	72·2	71·5	71·3	71·6	71·0	70·5	71·8	72·7	73·9	74·9	75·9	78·2	79·2	79·1
15	72·4	72·3	72·1	72·0	71·8	71·5	71·3	71·8	73·2	74·2	76·1	77·2	79·2	80·1	80·7
16	75·3	75·4	75·0	74·2	73·5	73·1	73·5	73·7	73·3	73·2	75·2	76·5	79·3	80·9	81.1
17	73·6	73·3	73·0	72·5	72·3	72·2	72·2	73·2	74·5	74·9	75·5	77·4	79·2	80·1	80·5
18	74·0	73·8	73·2	72·5	71·4	70·8	71·0	71·8	74·1	76·1	78·8	82·0	83·1	83·4	83·5
19	74·7	74·4	73·3	72·2	71·0	70·9	70·8	73·2	76·0	77·5	79·8	82·0	82·9	82·6	82·4
20	74·9	75·0	74·8	73·7	72·9	72·5	73.5	73·8	75·5	78·8	80·2	82·5	83·6	83·3	83·2
21	74·5	74·6	74·4	74·2	73·8	73·2	72·1	72·6	75·2	77·0	79·7	80·9	81·2	81·9	81·9
22	73·5	72·5	72·0	71·6	71 5	71·3	71·5	73·8	75·8	77·5	79·4	80·0	80·2	81·1	81·2
23	71·0	70·6	69·9	69·2	69·4	69·5	69·6	71·3	73·8	75·0	77·5	78·6	79·5	80·1	80·1
24	72·4	71·6	71·4	71·3	71·2	71·1	70·5	71·0	73·2	74·6	75.8	77·2	78·4	79·8	80·4
25	73·2	72·5	72·1	71·6	71·5	71·0	70.6	71·8	72·8	73·5	76·4	77·9	79·1	79·6	80·0
26	74·4	73·9	73·0	72·6	72·4	72·3	71·4	71·9	74·0	75·9	78·3	79·4	80·0	80 5	81.0
27	73·2	73·0	72·5	72·2	71·5	71·1	71·0	72·3	75·8	77·0	78·4	80·8	81·5	81 3	81·3
28	72·0	71·5	71·6	71·7	71·0	70·6	70·6	71·5	73·8	75·0	76·5	77·4	78·1	78·5	78·9
Mean . .	72·7	72·4	72·0	71·5	70·9	70·7	**70·6**	71·5	73·6	75·2	77·7	79·9	81·5	**82·1**	81·9
Variation .	−2 9	−3·2	−3·6	−4·1	−4·7	−4·9	**−5·0**	−4·1	−2·0	−0·4	+ 2·1	+4·3	+ 5·9	**+6·5**	+6·3
Mean in °C .	22·6	22·4	22·2	21·9	21·6	21·5	**21·4**	21·9	23·1	24·0	25·4	26·6	27·5	**27·8**	27·7
Variation in °C..	−1·6	−1·8	−2·0	−2·3	−2·6	−2·7	**−2·8**	−2·3	−1·1	−0·2	+1·2	+2·4	+3·2	**+3·6**	+3·5

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JANUARY. (IN DEGREES FAHRENHEIT.)

Hours (B. M T.)									Mean.		Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	°F	°C	Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
80·8	80·0	78·4	76·7	76·0	74·8	74·2	73·1	72·0	74·7	23·7	14 55	81·1	6 45	68·8	1
81·3	80·4	78·4	76·9	76·0	74·7	74·2	73·2	72·3	75.2	24·0	13 40	82·0	6 40	70·0	2
81·0	80·3	78·9	77·5	76·3	75·3	74·4	74·5	74·3	75·3	24·1	15 25	81·3	6 45	70·8	3
80·6	79·7	78·9	77·5	77·0	76·0	75·3	75·0	74·3	75·6	24·2	14 30	82·0	7 20	70·8	4
78·4	77·6	76·7	76·5	76·5	76·2	76·0	75·2	74·7	75.8	24·3	12 52	80·6	6 10	72·3	5
77·8	77·5	76·5	76·0	75·7	75·6	75·6	74·8	75·0	75·5	24·2	12 20	78·5	7 8	72·8	6
80·5	79·2	77·5	76·4	75·5	75·0	74·9	74·0	73·1	76·1	24·5	14 53	81·4	5 50	72·5	7
78·9	77·1	75·8	75·5	75·4	74·2	73·3	72·3	71·2	74·3	23·5	14 55	79·6	23 57	70·6	8
80·6	79·5	77·5	76·5	76·0	75·5	74·9	74·0	73·4	74·5	23·6	15 13	81·2	6 50	68·4	9
80·5	78·9	77·1	76·2	75·6	75·1	74·7	73·5	72·9	74·8	23·8	12 24	82·3	6 20	69·0	10
79·6	77·2	75·3	74·5	74·2	73·7	72·8	71·1	70·2	73·8	23·2	14 36	81·5	7 19	68.0	11
72·1	70·8	69·3	68·8	68·4	67·1	65·6	64·0	62·8	69.0	20·6	13 25	74·0	23 58	62·2	12
73·3	72·2	70·3	69·5	68·7	67·1	65·7	65·1	63·8	**64·5**	**18·1**	15 10	73·5	6 20	55·5	13
75·5	73·4	71·6	70·6	70·4	69·6	68·7	68·3	67·9	67·7	19·8	14 53	76·6	5 50	58.8	14
76·2	74·5	72·5	71·5	71·2	70·7	69·9	69·1	67·8	69·6	20·9	14 20	77·2	6 6	61·2	15
75·5	75·3	73·2	71·9	70·8	70·5	70·3	68·6	67·4	69·1	20·6	15 0	76·4	5 22	62·4	16
78·1	76·4	74·0	73·0	72·4	71·3	69·9	69·0	68·5	70·3	21·3	15 47	78·7	6 59	62·5	17
78·2	76·9	74·4	72·4	71·5	70·9	69·7	68·7	67·9	70·7	21·5	14 18	78·8	6 20	64·3	18
76·3	75·1	73·2	72·0	71·4	70·5	69·8	69·3	68·7	70·4	21·3	13 8	77·0	6 56	65·3	19
74·0	72·3	70·1	69·4	68·9	68·3	66·7	65·0	64·0	68·5	20·3	14 5	75·6	7 10	63·5	20
73·6	72·2	70·0	69·0	67·7	67·0	65·4	64·2	63·4	65·9	18·8	13 45	74·0	6 32	58·0	21
74·6	73·8	71·8	71·2	70·5	69·0	67·2	66·8	67·3	67·3	19·6	12 52	78·4	7 0	58·2	22
77·6	75·6	73·0	71·5	71·0	70·5	69·7	68·3	66·8	71·1	21·7	13 50	83·2	6 50	65·4	23
84·2	81·2	77·8	75·2	74·2	72·6	71·5	69·9	69·6	73·1	22·8	14 25	86·0	1 20	65·6	24
79·4	78·4	76·7	74·9	73·8	72·4	72·0	71·5	71·0	72·4	22·4	12 48	81·0	4 18	66·3	25
84·6	81·8	79·0	77·0	76·2	76·0	75·2	74·3	73·7	75·6	24.2	14 20	**86·6**	4 40	69·5	26
84·0	82·0	79·2	78·0	77·5	77·3	77·0	76·5	75·9	**77·2**	**25·1**	12 33	85·1	6 35	71·9	27
75·1	73·0	71·7	71·4	71·3	71·1	71·0	71·0	70·8	74·1	23·4	11 41	79·6	23 58	70.5	28
72·8	71·5	70·1	69·4	69·4	69·8	69·7	69·0	69·0	71·3	21·8	11 50	76·5	22 50	68·9	29
68·0	67·1	65·5	64·6	64·4	64·5	64·0	62·6	61·7	66·3	19·1	13 46	69·3	23 58	61·4	30
73·5	72·3	70·7	70·2	70·2	69·4	67·7	66·3	65·9	65·4	18·6	14 58	74·0	6 25	**55·4**	31
77·6	76·2	74·4	73·3	72·7	72·0	71·2	70·3	69·6	71·8	22·1					Mean.
+5·8	+4·4	+2·6	+1·5	+0·9	+0·2	−0·6	−1·5	−2·2							Variation.
25·3	24·6	23·6	22·9	22·6	22·2	21·8	21·3	20·9							Mean in °C.
+3·2	+2·5	+1·5	+0·8	+0·5	+0·1	−0·3	−0·8	−1·2							Variation in °C

FEBRUARY.

77·2	76·0	73·8	72·2	71·7	71·3	70·1	68·9	67·6	**71·4**	**21·9**	13 10	82·9	1 17	64·9	1
82·8	79·4	77·0	74·9	73·6	73·0	73·0	72·4	72·0	73·0	22·8	13 35	85·8	4 58	**63·9**	2
78·2	76·8	75.1	73·9	73·6	73·5	73·1	72·4	71·6	73·9	23·3	13 21	81·0	7 48	69·5	3
80·7	79·0	76·4	74·5	73·8	73·6	73·4	72·9	72·3	74·6	23·7	12 25	84·2	4 50	68·5	4
84·8	82·2	79.3	77·9	78·1	78·3	77·3	76·4	75·7	77·3	25·2	13 8	88·1	4 45	69·5	5
83·5	81·5	79·3	77·6	76·7	75·1	74·3	73·5	72·5	76·9	24·9	11 21	85·6	5 25	70·6	6
84·0	82·9	80·3	78·0	76·9	75·4	74·8	73·9	73·5	76·2	24·6	13 8	87·3	6 50	69·9	7
83·1	81·0	78·4	76·7	76·4	76·2	75·4	74·3	73·4	75·7	24·3	13 35	84·5	5 0	69·0	8
82·0	80·4	78·5	77·0	76·8	76·5	75·2	73·5	73·2	75·6	24·2	11 20	83·2	6 50	69·4	9
86·0	82·0	79·4	77·5	76·5	75·9	75·1	74·5	74·0	77·2	25·1	13 32	**90·3**	4 10	70·4	10
82·6	81·2	79·5	77·5	76·0	75·9	76·0	75·6	75·5	76·2	24·6	12 10	84·5	4 50	69·5	11
81·1	80·5	79·2	77·7	76·9	75·3	75·0	74·8	74·4	76·5	24·7	14 20	82·0	6 35	71·0	12
80·6	79·9	78·2	76·8	76·2	75·1	74·1	73·5	72·8	75·7	24·3	14 19	81.3	6 55	72·2	13
78·5	78·2	76·8	75·9	75·0	74·3	73·6	73·2	72·6	74·3	23·5	13 30	79·4	6 20	70·3	14
80·7	80·4	78·9	78·0	77·4	77·0	77·1	76·8	75·7	75·7	24·3	15 25	81·5	6 50	71·2	15
81·3	80·4	79·0	77·6	76.9	76·0	75·1	74·3	74·1	76·2	24·6	14 52	81·8	5 55	73·0	16
80·3	79·4	78·0	76·9	76·5	75·8	75·2	74·7	74·0	75·6	24·2	14 21	81.0	6 30	71·9	17
83·0	81·5	79·4	77·7	77·0	76·6	76·2	75·0	75·0	76·7	24·8	13 7	84·0	5 35	70·6	18
82·2	81·0	79·5	78·0	77·6	77·2	76·4	75·8	75·4	76·9	24·9	12 35	83·4	6 35	70·6	19
82·5	81·7	79·9	78·3	77·6	77·4	76·5	75·1	74·5	**77·6**	**25·3**	11 55	84·2	5 30	72·5	20
81·7	81·0	79·3	77·6	76·9	76·4	75·6	75.3	74·6	76·9	24·9	14 15	82·5	6 58	71·7	21
80·5	79·6	78·0	76·4	75·0	72·9	72·4	71·9	71·5	75·5	24·2	14 5	81·4	5 58	71·0	22
79·8	78·9	77·1	75.3	74·8	74·0	73.6	73·4	72·8	74·4	23·6	14 28	80·8	3 58	68·9	23
80·1	79·1	77·4	76·0	75·5	75·0	74·9	74·5	74·2	74·9	23 8	14 12	80·6	7 0	70·4	24
80·0	79·1	77·4	76.1	75·7	75·3	75·0	74·8	74·7	75·1	23·9	14 56	80·8	6 50	70·5	25
80.9	80·3	79·0	77·7	77·4	76·6	77·0	74·9	73·7	76·2	24·6	14 39	81·6	7 0	71·1	26
80·9	80·0	78·0	76·3	75·5	74·5	74·0	73·1	72·5	75·7	24·3	12 55	81·7	6 15	70·7	27
78·6	78·0	76·5	74·9	74·1	73·4	72·7	71·8	71·4	74·2	23·4	14 45	79·5	6 20	70·4	28
81·3	80·1	78·2	76.6	75·9	75·3	74·7	74·0	73·4	75·6	24·2					Mean.
+5·7	+4·5	+2·6	+1·0	+0·3	−0·3	−0·9	−1·6	−2·2							Variation.
27·4	26·7	25·7	24·8	24·4	24·1	23·7	23·3	23·0							Mean in °C.
+3·2	+2·5	+1·5	+0·6	+0·2	−0·1	−0·5	−0·9	−1·2							Variation in °C

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MARCH. (IN DEGREES FAHRENHEIT.)

Date.	Hours (B.M.T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	70·8	70·2	70·7	70·6	70·5	70·6	70·4	71·2	73·0	74·8	76·5	78·0	79·1	80·0	80·5
2	74·6	74·0	73·2	72·7	72·0	71·0	70·8	72·6	75·3	78·0	80·6	81·8	83·5	84·5	84·6
3	76·6	75·9	75·7	75·6	74·9	73·7	72·7	74·0	76·4	78·5	81·1	82·0	82·5	82·2	82·6
4	74·7	74·5	73·9	72·7	72·0	71·4	71·4	72·5	74·5	77·0	79·6	80·4	80·5	80·5	80·7
5	73·4	72·7	71·8	71·1	70·8	70·8	71·0	72·6	74·4	75·6	77·6	79·6	80·0	80·0	80·1
6	74·0	73·5	72·8	72·6	72·0	71·5	72·0	72·6	73·6	75·5	77·2	78·4	79·1	79·5	80·2
7	71·7	71·3	71·3	71·0	71·1	71·2	71·5	72·5	74·7	76·6	78·5	79·2	80·1	80·3	80·6
8	72·0	71·0	70·4	70·9	70·0	69·5	69·9	71·5	73·6	75·5	77·5	78·8	80·2	80·4	80·3
9	71·5	70·6	70·4	70·0	69·5	69·2	**68·4**	70·5	74·1	76·5	78·8	79·5	80·6	81·4	81·1
†10	74·3	74·3	73·5	72·5	72·4	72·4	72·1	73·3	76·0	78·5	80·0	81·3	82·1	82·2	81·4
†11	..	..	..	..	..	..	..	74·7	76·6	78·5	..	..	81·2	81·3	81·1
12	75·0	74·7	74·2	73·6	73·5	73·4	73·3	74·2	76·0	77·8	79·2	80·3	80·6	80·5	80·0
13	73·5	73·3	73·2	72·5	72·4	72·5	72·5	73·3	75·1	76·2	77·7	79·4	80·0	80·9	80·8
14	72·6	72·3	72·0	71·6	71·4	70·7	70·3	71·9	75·2	76·9	80·1	81·8	83·3	83·4	83·4
15	73·0	71·6	71·9	71·0	70·2	69·7	69·5	72·2	77·0	79·1	82·9	87·2	89·2	87·6	85·2
16	76·8	77·0	76·2	76·1	76·0	75·8	75·6	78·4	81·1	83·5	87·1	**89·3**	88·0	86·4	86·4
17	77·7	77·8	76·9	76·4	76·2	75·6	75·0	76·0	77·8	79·5	80·8	81·2	82·2	82·6	83·1
18	78·3	77·9	77·5	77·0	76·2	76·0	76·3	77·5	79·1	79·8	81·5	82·7	83·4	83·8	83·4
19	77·9	78·0	77·5	77·3	77·0	76·9	76·8	77·9	79·8	81·1	82·6	83·6	83·8	84·9	86·0
20	77·6	77·2	77·1	77·1	76·6	75·9	75·5	77·0	80·0	81·9	82·7	83·6	84·3	84·8	84·9
21	78·2	77·9	77·7	77·4	76·6	76·2	75·8	78·0	80·0	81·7	82·1	82·6	83·7	84·3	84·5
22	78·0	77·8	77·4	77·2	77·0	77·0	77·2	78·4	80·0	81·5	82·7	83·5	84·4	84·8	85·0
23	79·0	78·5	78·3	77·8	77·7	77·6	77·3	78·1	80·0	81·3	82·5	83·5	83·9	84·5	84·4
24	77·1	76·6	76·7	76·7	76·3	76·2	76·2	77·9	80·0	80·9	82·8	84·3	85·2	85·4	86·2
25	79·5	78·7	78·4	78·5	78·7	78·6	78·0	79·0	81·1	83·5	85·3	85·7	85·6	85·7	85·3
26	78·5	77·9	76·5	76·4	76·5	76·6	76·4	78·0	80·8	83·0	84·0	84·4	84·8	84·5	84·5
27	76·3	76·1	75·8	75·1	75·0	74·9	74·9	75·8	77·3	79·2	80·9	81·7	82·7	82·8	82·8
28	78·5	78·2	77·6	76·9	76·5	75·9	76·7	77·9	80·7	82·5	83·8	84·2	84·4	84·8	84·8
29	79·8	78·6	78·5	78·0	78·0	77·5	77·6	78·4	80·8	82·0	83·0	83·6	83·8	84·2	84·3
30	78·6	78·6	77·8	77·2	76·8	76·5	76·8	78·3	80·0	81·5	83·5	84·2	84·7	84·9	85·0
31	79·8	79·4	79·2	79·0	78·6	78·5	77·7	79·4	81·0	82·3	83·8	84·6	85·6	86·0	85·5
Mean .	76·0	75·6	75·2	74·8	74·5	74·2	74·1	75·4	77·7	79·4	81·3	82·4	83·1	**83·3**	83·3
Variation .	—2·5	—2·9	—3·3	—3·7	—4·0	—4·3	**—4·4**	—3·1	—0·8	+0·9	+2·8	+3·9	+4·6	**+4·8**	+4·8
Mean in °C .	24·4	24·2	24·0	23·8	23·6	23·4	**23·4**	24·1	25·4	26·3	27·4	28·0	28·4	**28·5**	28·5
Variation in °C.	—1·4	—1·6	—1·8	—2·0	—2·2	—2·4	**—2·4**	—1·7	—0·4	+0·5	+1·6	+2·2	+2·6	**+2·7**	+2·7

APRIL.

1	79·6	79·5	79·2	78·0	77·7	78·2	78·8	79·9	82·2	83·7	84·3	85·2	85·6	85·5	85·6
2	78·6	78·5	77·6	78·1	77·8	77·4	78·0	78·7	80·3	81·9	82·8	84·0	85·3	86·4	86·5
3	80·1	79·7	78·6	77·7	**76·9**	78·0	78·4	79·8	82·6	84·4	85·3	85·9	86·2	86·2	86·6
4	79·6	78·7	78·1	77·8	77·4	77·5	77·9	79·8	81·7	82·5	83·6	84·8	85·7	86·3	86·4
5	79·6	79·6	79·4	78·8	78·5	78·7	79·3	80·1	81·6	84·2	85·2	85·9	86·2	86·0	85·7
6	79·6	79·4	79·3	79·3	78·5	78·5	78·7	79·8	81·3	83·3	84·6	85·1	86·0	86·4	86·0
7	81·0	81·0	80·7	80·5	79·8	79·5	79·8	80·8	82·9	84·0	86·0	86·9	87·2	87·6	87·5
8	81·5	81·4	80·8	80·5	79·3	79·0	79·2	80·5	82·4	83·4	85·1	86·2	87·3	87·5	87·3
9	81·5	81·2	80·8	80·8	80·5	80·5	80·6	81·5	83·1	84·6	85·5	86·1	86·9	87 5	87·0
10	81·9	81 8	81·5	81·5	81·5	81·5	81·9	83·2	84·6	85·8	86·1	86·8	87·5	87 5	87·7
11	81·2	81·0	81·5	81·6	81·5	81·5	81·6	82·4	83·8	85·3	85·9	86·7	87·4	88·3	88·2
12	81·5	80·9	80·6	79·9	79·6	79·9	79·9	80·5	83·7	85·6	87·0	87·5	88·0	88·5	88·9
13	80·6	80·5	80·3	79·9	79·0	78·6	79·1	80·7	82·3	84·9	86·0	86·6	87·5	87·6	87·8
14	80·3	79·9	79·4	78·9	78·3	78·1	78·5	79·6	81·6	83·2	85·1	86·4	87·0	87·4	87·3
15	82·3	82·3	82·0	82·0	81·4	81·3	81·5	82·4	83·9	85·3	87·2	88·6	88·5	88·0	87·8
16	81·0	80·8	81·1	80·9	80·2	79·7	80·0	81·6	83·4	85·1	86·5	87·3	87·6	87·7	87·5
17	81·7	81·5	81·5	81·6	81·5	81·3	81·3	82·2	84·0	85·1	85·7	86·6	87·6	87·5	87·6
18	81·0	80·6	80·3	80·0	79·5	79·5	79·0	81·1	83·6	84·9	85·5	86·4	87·2	87·6	88·6
19	81·3	81·0	80·9	80·5	80·4	80·4	81·0	82·4	83·4	85·6	86·4	86·8	87·4	87·6	87·4
20	82·2	82·0	81·7	81·5	81·5	81·4	81·5	81·8	83·5	85·2	86·5	87·1	88·0	87 8	87 7
21	81·4	80·8	79·8	79·4	79·2	79·6	80·2	82·0	83·7	84·9	85·8	86·4	87·1	87·7	88·3
22	80·6	80·5	79·9	80·5	80·1	80·0	81·2	82·5	84·5	84·9	86·3	86·6	87·5	88·1	88·0
23	81·0	80·8	80·7	80·5	80·4	80·0	80·2	81·5	83·2	85·2	86·2	87·0	87·5	87·5	87·3
24	80·7	80·5	80·4	80·4	80·1	79·5	79·8	81·6	83·5	85·4	86·5	87·2	87·2	87·4	87·2
25	80·4	80·2	80·0	79·8	80·0	80·0	80·3	81·1	83·2	86·0	87·2	87·5	87·7	88·1	87·8
26	81·5	81·4	81·0	80·4	80·6	80·5	81·0	82·4	84·5	85·9	87·0	87·6	88·1	88·1	88·2
27	82·5	82·4	82·2	81·0	80·0	79·5	80·7	83·0	85·8	87·0	88·8	89·8	90·2	90·1	90·3
28	81·4	81·0	80·9	80·6	79·8	79·4	79·8	81·5	84·6	86·7	88·1	89·0	90·3	**90·6**	90·5
29	81·3	80·8	80·2	80·0	79·4	79·5	80·3	81·9	84·0	85·7	86·0	86·4	87·1	88·3	88·8
30	81·4	81·1	80·8	80·4	80·1	80·0	80·8	82·0	83·4	85·0	86·0	86·6	87·0	87·5	87·8
Mean .	80·9	80·7	80·4	80·1	79·7	79·6	80·0	81·3	83·2	84·8	85·9	86·7	87·3	**87·6**	87·6
Variation .	—2·4	—2·6	—2·9	—3·2	—3·6	—3·7	—3·3	—2·0	—0·1	+1·5	+2·6	+3·4	+4·0	**+4·3**	+4·3
Mean in °C .	27·2	27·1	26·9	26·7	26·5	**26·4**	26·7	27·4	28·4	29·3	29·9	30·4	30·7	**30·9**	30·9
Variation in °C.	—1·3	—1·4	—1·6	—1·8	—2·0	**—2·1**	—1·8	—1·1	—0·1	+0·8	+1·4	+1·9	+2·2	**+2·4**	+2·4

† Loss of record. The days have been omitted for means.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MARCH. (IN DEGREES FAHRENHEIT.)

Hours. B.M.T.									Mean.		Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21 - 22	22—23	23—24	°F	°C	Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
80.0	79·3	78·0	76·8	76·4	75·9	75·6	74·8	74·8	74·9	23·8	14 35	80·8	2 5	69·9	1
84·2	83·0	81·7	80·3	80·0	79·0	77·4	76·8	76·3	77·8	25·4	14 50	84·8	6 20	70·4	2
82·3	81·5	80·6	78·7	78·5	78·1	76·7	75·6	75·1	78·0	25·6	14 10	82·9	6 35	72·7	3
80·0	79·0	77·4	76·2	75·6	75·3	75·1	74·9	74·2	76.0	24·4	14 30	81·0	6 35	71.1	4
80·1	79·2	77·5	76·0	75·4	74·8	74·4	74·0	74·0	75·3	24·1	14 35	81·0	4 55	70·6	5
79·9	78·9	77·4	76·0	75·3	74·7	73·7	73·0	72·8	75·3	24·1	14 50	80·5	5 30	71.5	6
80·3	79·0	77·6	75·8	75·2	74·7	74·2	73·3	73·0	75·2	24·0	14 18	81·0	3 5	71.0	7
80·0	79·2	77·7	75·8	74·8	74·2	73·7	73·3	72·5	**74·7**	**23·7**	12 40	80·7	5 30	69·4	8
80·6	79·9	78·4	77·1	76·8	76·5	76·2	74·7	73·9	75·3	24·1	13 25	81·7	6 50	**68.0**	9
..	..	..	..	..	..	..	74·5	74·4	..	..	12 40	82·6	6 40	72·0	10†
80·5	79·7	78·0	76·6	76·0	75·6	75·5	75·4	75·3	..	..	13 47	81·7	6 50	**73·5**	11†
79·4	78·5	77·0	75·6	75·0	74·4	74·0	74·0	73·7	76·2	24·6	11 55	81·0	6 40	73.2	12
80·5	79·7	78·4	77·0	76·0	74·9	74·5	74·2	73·6	75.9	24·4	13 25	81·5	6 20	72·2	13
83·1	81·9	80·8	79·0	78·7	78·5	77·4	76·0	73·9	76·9	24·9	15 3	83·7	6 30	**70·2**	14
84·2	83·8	82·4	80·9	80·3	79·4	78·0	77·2	76·2	78·3	25·7	12 35	90·0	5 40	69·4	15
85·2	84·4	83·0	80·5	79.0	77·5	76.9	77·4	77·5	80·6	27·0	12 10	**90·8**	6 30	**75·4**	16
83·0	82·1	81·2	79·7	79·3	79·1	78·9	78·4	78·4	79·1	26·2	14 32	83·5	5 58	74·9	17
83·2	82·4	80·9	80·0	79·7	79·2	78·8	78·3	78·1	79·6	26·4	13 23	83·9	5 27	**75·7**	18
86·4	85·4	86·0	82·7	80·9	79·5	78·6	78·2	77·6	80·7	27·1	15 32	86·7	6 20	76·3	19
84·5	83·5	82·3	80·8	80·2	79·4	78·6	78·2	78·2	80·1	26·7	13 50	85·5	6 35	**75·4**	20
84·0	82.7	81·8	80·8	80·2	79·5	78·8	78·5	78·6	80·1	26·7	14 15	85·0	6 15	75·6	21
84·5	83·7	82·7	81·0	80·5	79·9	80·2	80·0	79·7	80.6	27·0	14 20	85·3	6 5	**75.6**	22
84·5	83·9	82·9	81·4	80·9	79·8	79·5	78·7	77·6	80.6	27·0	13 58	85·5	6 25	77·2	23
85·3	84·4	83·3	82·4	82·3	82·1	81·6	80·3	79·5	80.8	27·1	15 30	86·2	6 30	77·0	24
84·6	83·7	82·2	80·8	80·4	79·9	79·5	79·0	78·4	81.3	27.4	11 28	86·5	6 30	77·8	25
83·9	82·5	81·0	79·3	78·5	77·7	77·5	76·8	76·5	79·9	26·6	12 30	85·0	6 30	75·9	26
82·2	81·4	80·5	79·5	78·8	78·6	78·5	78·5	78·6	78·7	25·9	14 12	83·5	6 50	74·8	27
84·6	84·5	83·5	82·2	81·7	81·5	81·2	80·0	80·2	80·9	27·2	13 50	85·1	5 51	75·5	28
84·0	83·2	82·0	80·8	80.2	80·0	79·6	79·5	79·3	80·7	27.1	14 40	84·6	5 50	76·8	29
84·9	84·3	82·7	81·5	81·1	80·6	80·5	80·4	80·1	80·9	27·2	14 20	85·3	5 10	76·4	30
85·1	84·1	83·0	81·7	81·2	80·8	80·5	80·4	80·3	**81·6**	**27.6**	13 2	86·0	6 28	77·5	31
82·9	82·0	80·8	79·3	78·7	78·1	77·6	77·0	76·6	78·5	25·8					Mean.
+4·4	+3·5	+2·3	+0·8	+0·2	—0·4	—0·9	—1·5	—1·9							Variation.
28·3	27·8	27·1	26·3	25·9	25·6	25·3	25·0	24·8							Mean in °C
+2·5	+2·0	+1·3	+0·5	+1·1	—0·2	—0·5	—0·8	—1·0							Variation in °C

APRIL.

85.0	84.2	83·0	81·7	81·0	80·7	80·0	79·7	79·3	**81·6**	**27·6**	14 50	85·8	4 30	77·5	1
86.6	86·3	84·6	82·9	82·5	81·8	81·0	80 5	80·2	81·6	27·6	15 28	86·7	2 50	77·3	2
87.2	86.5	85·0	83.0	82·4	81·8	81·1	80·6	80·3	82·3	27·9	15 14	87·5	4 50	**76·6**	3
86.0	85.4	84·2	82·5	81·9	81·4	81·0	80·5	80·1	81·7	27·6	14 50	86·7	6 5	77·1	4
85.2	84.6	83·5	82·1	81·7	81·3	80·6	80.3	80·0	82 0	27·8	12 20	86·9	4 50	78·2	5
85.3	84.6	83·4	82·2	31·5	81·3	81·0	81·0	80·9	82·0	27·8	13 50	86·6	5 10	78·3	6
86.8	85.9	84·2	82·7	82·5	82·1	81·9	81·9	81·5	83·1	28·4	13 45	87·8	5 10	79.4	7
87.1	86.6	85·0	83·4	82·6	82·2	82·0	81·6	81·5	83·1	28·4	12 52	88·0	6 4	78.5	8
86.9	86.0	84·8	83·4	82·9	82·6	82·5	82·3	82·0	83·4	28·6	15 5	87·7	5 0	80.3	9
87.1	85.8	84·7	83·1	82·6	82·1	81·6	81·5	81·5	83 8	28·8	14 16	88·2	22 20	81·4	10
87.0	86.1	84·9	84·1	83.7	83·0	82·8	82·4	82·1	83·9	28·8	13 45	88·6	1 20	80·7	11
89.2	87.5	86·0	84·3	83·9	83·4	82·5	81·9	81·5	83·8	28·8	15 10	89·6	4 40	79·5	12
87.1	86·7	85·3	83·2	82·0	81·5	81·2	80·8	80·5	82·9	28·3	14 18	88·0	5 28	78·4	13
87.2	86.1	84·5	82·8	82·5	81·9	81·6	82·3	82·5	82·6	28·1	14 3	87·5	5 50	78·0	14
87.5	86.5	85.2	83·7	83·0	82·5	82.4	82·0	81·7	84·1	28·9	12 16	88·8	5 30	81·0	15
87.3	86.4	85·0	83·5	82.9	82·4	82.3	82·0	82·0	83·5	28·6	12 38	88·4	6 0	79·2	16
87.3	86.8	85·3	83·9	83·2	82·7	82·3	81.6	81·4	83·8	28·8	13 10	88·3	6 0	81·0	17
88.5	87.9	86·3	84·0	83·5	82·6	82·4	82.0	81·5	83·5	28.6	14 23	88·9	6 10	78·5	18
87·3	86.5	84·9	83·9	83.5	83·0	82·7	82.5	82·4	83·7	28·7	13 50	87·8	3 45	80·2	19
87.5	86.7	85·1	83·5	82·6	82·5	82.5	82·0	81·6	83·9	28·8	13 10	88·6	4 55	81.2	20
88.0	87.2	85.8	84·1	83·3	82·5	82.3	81·4	80·9	83·4	28·6	14 0	88·5	4 30	79·0	21
87.5	86.5	85·0	83·3	82·5	82·1	81·9	81.5	81·4	83 5	28·6	14 7	88.6	5 25	79·6	22
86.8	85.9	84.5	83·0	82·4	81.9	81·5	81.3	81·0	83·2	28·4	14 25	87·9	6 0	80·0	23
86.8	85.6	84·2	82·6	82·0	81·6	81·4	81·0	80·6	83·1	28.4	11 50	87·8	6 0	79·4	24
87.5	86.7	85·0	83·2	82·5	82·4	82·2	82·0	81·9	83·4	28·6	13 3	88·4	6 3	79·7	25
88.3	87.8	86.9	85·6	84·6	83·7	83·2	82·6	82·5	84·3	29·1	12 50	88·7	5 30	80·4	26
89.6	88.6	86·9	84·6	83·6	83·0	82·4	81·8	81·5	**84·8**	**29·3**	12 4	**91·4**	5 40	79·2	27
90 0	89.2	87·1	85·0	84·4	83.7	83·2	82·8	82·3	84·7	29.3	12 55	91.2	5 30	79·2	28
88.6	87.5	85·5	83·9	83·3	83.0	82·7	82·4	81·8	83.7	28.7	14 0	89·0	4 45	79·3	29
87.6	86.6	85·2	83·6	82·8	82.5	82·3	81·9	81·8	83·5	28·6	15 20	88·3	5 0	79·8	30
87·3	86·5	85.0	83·4	82·8	82·3	81·9	81·6	81·3	83·3	28·5					Mean.
+4·0	+3·2	+1·7	+0·1	- 0·5	—1·0	—1·4	—1·7	—2·0							Variat on.
30·7	30·3	29·4	28·6	28·2	27·9	27·7	27·6	27·4							Mean in °C
+2·2	+1·8	+0·9	+0·1	—0·3	—0·6	—0·8	—0·9	—1·1							Variation in °C

† Loss of record. The days have been omitted for means.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MAY (IN DEGREES FAHRENHEIT.)

Date.	Hours (B.M.T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	81·1	80·7	80.1	79·8	79·4	79·1	80·2	81·6	83·7	84·1	85·2	86·2	87·5	88·0	87·8
2	80·3	79·8	79.7	79·6	79·1	79.2	80·0	81·5	83·7	85·0	86·3	86·9	87·7	87·6	87·6
3	81·8	81·0	80·4	80·1	79·6	79·5	81·0	82·3	83·8	85·0	86·1	86·9	87·5	88·1	88·0
4	81·1	81·0	80·7	80·5	80·6	80·7	81·3	82·2	83·5	84·5	86·0	87·2	88·0	88·3	88·3
5	82·0	81·8	81·4	81·0	80·1	79·6	80·3	82·1	83·3	84·5	86·0	86·9	87·8	88·0	88·3
6	81·5	81·4	81·0	80·9	80·7	80·5	81·0	82·3	84·3	84·9	86·2	87·1	88·2	88·3	88·4
7	80·9	81·0	79·9	79·7	79·6	79·7	80·5	81·5	83·7	85·1	86·0	86·7	87·2	88·0	87·9
8	81·4	81·1	80·9	80·6	80·5	80·2	81·0	82·4	84·7	86·0	86·9	87·6	88·7	89·0	89·0
9	81·5	81·5	81·2	81·1	80·8	80·5	81·1	82·3	84·7	86·4	87·6	88·2	88.6	88·5	89·0
10	81·5	81·3	81·0	80·9	80·9	80·8	81·5	83·8	84·6	85·8	86·8	87·0	87·3	88 0	87·9
11	80·8	80·2	79·5	79·4	79·4	79·1	80·0	81·3	83·4	85·0	86·4	87·4	87·6	87·9	88·3
12	80·6	80·5	80·9	81·0	81·0	80·5	80·8	81·6	83·0	84·1	85·4	87·0	88·0	88·5	89·2
13	82·2	81·9	81·0	80·8	80·5	80·2	80·9	82·2	84·3	85·4	86·7	87·9	88·7	89·0	88·9
14	82·9	82·5	82·2	82·1	82·1	82·1	82·7	83·8	85·5	86·8	87·7	88·6	89·3	89·7	89·5
15	83·6	83·5	83·0	82·9	82·9	82·6	83·2	84·5	85·4	86.4	87·6	88·2	89·0	89·9	89·8
16	83·4	83·4	82·9	82·7	82·4	82·3	82·8	84·0	86·0	87·0	87·9	88·5	89·2	89·3	89·6
17	83·4	82·9	82·5	81·7	81·2	81·0	81·9	83·0	84·5	86·3	87·5	88·0	88·5	89·4	89·3
18	83·2	83·0	82·6	82·5	81·9	81·5	82·6	83·5	84·7	86·0	86·9	87·7	88·8	89·2	89·4
19	83·5	83·4	83·0	82·6	82·4	82·1	82·9	84·1	85·5	86·6	87·4	88·5	89·1	89·5	89·6
20	83·3	82·8	82·4	82·2	82·0	81·6	82·5	83·8	84·7	86·2	87·2	88·0	88·8	89·3	89·6
21	84·2	83·8	83·6	83.3	83·2	83·0	83·8	85·0	86·5	88·0	89·1	90·0	90·3	90·1	90·3
22	83·3	83·0	82·8	82·7	82·6	82·5	83.4	84·5	86·0	87·5	88·5	89·2	89·5	89·9	90·0
23	83·0	82·6	82·0	81·9	81·5	81·4	82·1	83·4	85·4	87·0	88·3	88·7	89·5	89·9	89·8
24	82·8	82·7	82·7	82·5	82·5	82·5	82·9	84·0	85·1	86·7	88·5	89·5	89·8	89·9	90·0
25	83·0	82·9	82·9	82·6	82·6	82·6	83·3	84·7	86·2	87·5	88·5	89·3	90·2	90·5	90·3
26	83·9	83·6	83·4	83·5	83·0	82·9	83·5	84·5	86·1	87·2	88·1	88·5	89·5	90·0	90·1
27	84·4	84·0	83·7	83·5	83·4	83·3	84·1	85·2	86·7	87·8	89·0	89·9	90·2	90·4	90·5
28	84·4	84·2	84·0	83·8	83·5	83·5	84·3	85·5	87·2	88·2	89·6	90·4	90·7	90·8	90·7
29	84·4	84·1	83·9	84·0	83·6	83.5	84·0	85·3	87·1	87·5	89·1	90·1	90·4	90·5	90·7
30	84·0	83·8	83·7	83·7	83·4	83·0	84·0	84·5	85·9	86·7	88·5	89·7	90·5	**91·0**	90·7
31	83·3	83·1	83·0	82·8	82·5	82·6	83·6	85·3	86·9	87·7	89·0	89·8	90·5	90·7	90·5
Mean .	82·6	82·3	82·0	81·8	81·6	**81·4**	82·2	83·4	85·0	86·2	87·4	88·2	88·9	**89·3**	89·3
Variation .	—2·4	—2·7	—3·0	—3·2	—3·4	**—3·6**	—2·8	—1·6	0·0	+1·2	+2·4	+3·2	+3·9	**+4·3**	+4·3
Mean in °C. .	28·1	27·9	27·8	27·7	27·6	**27·4**	27·9	28·6	29 4	30·1	30·8	31·2	31.6	**31·8**	31·8
Variation in °C.	—1·3	—1·5	—1·6	—1·7	—1·8	**—2·0**	—1·5	—0·8	0·0	+0·7	+1·4	+1·8	+2·2	**+2·4**	+2·4

JUNE.

1	84 1	84·0	83·5	83·2	83·1	83·0	83·7	84·8	86·5	87·6	88·9	89·4	90·0	90·1	89·8
2	83·5	83·4	83·1	82·7	82·5	82·2	83·0	84·2	85·8	87·1	88·8	89·5	90·3	90·2	90·0
3	83·4	83·1	82·9	82·6	82·5	82·5	83·2	84·3	85·8	87·1	88·3	89·0	89·4	89·5	89·4
4	83·7	83·5	83·4	83·2	83·2	83·2	83·8	84·8	86·4	87·7	88·5	89·0	89·6	90·3	90·2
5	84·6	84·5	84·3	84·0	83·8	83·7	84·5	85·8	87·6	88·4	88·8	89·3	89·8	90·3	90·2
6	84·6	84·5	84·3	84·2	84·2	84·1	84·7	85·8	87·0	88·3	89·4	89·8	90·6	90·6	90·6
7	85·2	85·0	84·8	84·6	84·2	84·1	84·8	85·7	86·9	87·2	89·0	90·0	90·8	91·1	**91·7**
8	85·2	85·2	84·9	84·6	80·5	79·4	79·7	80·8	81·9	83·7	85·2	85·7	85·9	86·6	87·8
9	84·2	83.8	83·8	83·5	83·4	83·3	83·0	83·7	85·1	86·3	87·3	88·0	89·4	91·0	90·9
10	83·7	82·8	79·0	77·0	77·0	77·0	77·5	78·1	79·5	80·5	82·2	83·0	84·0	85·7	86·5
11	83·0	82·9	83·0	82·8	82·5	82·5	82·4	82·0	78·9	79·3	81·2	83·0	83·7	84.8	85·0
12	83·4	83·4	83·2	83·0	82·4	82·3	82·7	83·5	85·0	86·2	86·8	87·2	87·9	88·5	88·8
13	80·5	80·6	80·7	80·6	80·6	80·5	81·0	81·4	82·6	84·0	84·8	85·7	86·9	87·5	87·9
14	80·0	79·5	79·7	79·7	79·6	79·5	80·0	81·4	82·8	83·9	84·5	84·9	84·2	83·8	82·3
15	81·2	81·5	81·9	82·0	82·0	82·2	81·4	80·1	81·0	84·6	85·3	85·4	86·0	86·2	84·0
16	79·8	80·3	80·7	80·8	81·1	81·5	81·2	81·6	83·0	82·9	83·8	80·4	79·3	79·8	79·5
17	79·0	79·3	79·4	79·0	79·1	78·5	77·5	78·4	78·5	79·0	79·6	78·2	78·3	79·6	79·3
18	80·7	80·5	79·6	79·5	79·5	80·1	79·5	81·8	83·8	85·0	83·0	82·9	83·0	84.6	85·7
19	82·5	82·0	81·7	80·0	80·9	81·6	82·0	82·1	82·2	82·9	83·2	83·0	84·1	84·8	83·8
20	81·4	81·0	82.0	82·0	81·7	80·1	80·2	81·2	81·7	82·0	82·5	83·0	82·1	83·6	82·3
21	80·3	80·0	79·9	79·0	79·5	79·9	79·7	80·0	80·5	80·2	79·2	79·3	79·9	79·8	80·3
22	79·9	78·1	78·7	79·5	79·3	78·7	77·4	77·5	77·8	77·8	78·3	78·7	79·5	79·6	79·2
23	80·2	80·6	81·5	81·6	80·8	80·7	81·6	81·1	81·7	82·0	84·0	84·6	85·6	85·9	85·5
24	82·6	82·2	82·0	82·0	82·1	82·3	82·6	82·9	83·2	84·3	84·8	85·5	86·3	85·0	80·6
25	82·7	82.6	82.6	82·7	82·6	82·4	81·7	82·8	84·0	84·8	85·5	85.9	85·8	86·0	85·5
26	82·5	81·8	82·3	82·2	81·7	81·7	82·7	83·1	83·9	83·8	84·5	82·4	85·2	84·2	79·8
27	81·6	81·1	80·6	80·1	79·7	79·3	79·2	80.0	80·2	80·0	81·5	81·9	81·7	81·7	82·3
28	81·9	82·0	82·0	81·4	81·9	82·0	81·5	82·3	82·8	83·0	82·6	84·0	82·5	81.8	81·2
29	81·4	80·2	79·9	79·9	80.9	80·4	81·3	81.7	82·1	83·4	83·2	83·0	84·4	84·8	82·4
30	81·8	81·7	80·9	81·1	81·8	81·8	82·1	82·6	82·7	81·8	81·1	82·2	82·2	82·6	84·3
Mean .	82·3	82·0	81·9	81·6	81·5	**81.3**	81·5	82·2	83·0	83·8	84·5	84·8	85.3	**85·7**	85.2
Variation .	—0·8	—1·1	—1·2	—1·5	—1·6	**—1·8**	—1·6	—0·9	—0·1	+0·7	+1·4	+1·7	+2.2	**+2·6**	+2·1
Mean in °C. .	27·9	27·8	27·7	27·6	27·5	**27·4**	27·5	27·9	28·3	28·8	29·2	29·3	29·6	**29·8**	29·6
Variation in °C.	—0·5	—0·6	—0·7	—0·8	—0·9	**—1·0**	—0·9	—0·5	—0·1	+0·4	+0·8	+0·9	+1·2	**+1·4**	+1·2

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MAY. (IN DEGREES FAHRENHEIT.)

Hours. (B. M. T.)									Mean.		Maximum.			Minimum.			Date.
15--16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	°F	°C	Time.		Mag.	Time.		Mag.	
											H.	M.		H.	M.		
87·5	86·2	84·6	83·0	82·5	82·0	81·7	81·2	81·0	**83·1**	**28·4**	13	40	88·4	5	20	**78·9**	1
87·3	86·5	85·1	83·8	83·5	83·0	82·6	82·2	82·1	83·3	28·5	12	55	88·5	4	25	79·0	2
88·2	87·5	86·1	84·7	84·0	83·1	82·5	82·2	81·6	83·8	28·8	13	50	88·7	5	20	79·4	3
87·8	87·2	85·9	84·5	83·8	83·4	83·1	82·7	82·5	83·9	28·8	14	16	88·6	3	55	80·2	4
88·2	87·3	85·9	84·3	83·5	82·7	82·5	81·6	81·4	83·8	28·8	14	27	88·8	5	40	79·4	5
87·9	87·2	86·1	83·9	82·9	82·4	82·3	81·7	81·4	83·9	28·8	13	37	88·7	5	10	80·5	6
87·9	87·0	85·3	83·8	83·0	82·5	82·2	82·0	81·7	83·5	28·6	13	58	88·5	3	0	79·4	7
88·8	88·0	86·5	84·8	84·1	83·5	83·3	82·7	82·4	84·3	29·1	13	8	89·5	5	30	80·0	8
88·4	87·6	85·9	84·0	83·2	82·5	82·4	82·0	81·6	84·2	29·0	14	32	89·5	5	50	80·4	9
87·5	86·8	85·5	83·6	82·8	82·4	82·0	81·7	81·3	83·9	28·8	13	26	88·5	5	50	80·7	10
88·2	87·4	86·0	84·2	83·3	82·6	82·0	81·2	81·0	83·4	28·6	14	25	88·6	5	20	79·0	11
88·9	87·9	86·2	84·3	83·6	83·2	83·0	82·5	82·2	83·9	28·8	15	3	89·7	5	35	80·3	12
88·8	88·0	86·6	84·9	84·2	83·8	83·5	83·3	83·0	84·4	29·1	12	55	89.9	5	40	80·0	13
89·3	88·3	87·2	85·7	85·0	84·5	84·1	83·8	83·8	85·4	29·7	14	9	89·9	5	10	81·9	14
89·5	88·6	87·2	85·4	84·7	84·3	84·0	83·6	83·5	85·6	29·8	15	2	90·1	5	35	82·5	15
89·5	88·4	87·0	85 6	85·0	84·7	84·4	84·0	83·9	85·6	29·8	14	20	90·0	5	8	82.0	16
89·3	88·5	87·2	86·0	85·0	84·5	84·1	83·7	83·4	85·1	29·5	13	20	89·7	5	30	80·9	17
89·5	88·5	87·3	86·0	85·1	84·6	84·4	84·0	83·7	85·3	29·6	15	16	89·8	5	40	81·4	18
89·8	88·9	87·5	85·8	85·1	84·4	84·4	84·0	83·9	85·6	29·8	15	0	90·5	5	45	81·9	19
89·5	89·1	87·8	86·9	85·6	85·1	84·8	84·6	84·5	85·5	29·7	15	**0**	90·0	5	20	81·4	20
89·4	88·3	86·7	85·3	84·6	84·3	84·3	84·0	83·9	86·0	30·0	14	30	90·9	5	40	82·8	21
89·3	88·3	86·8	85·2	84·5	84·1	84·0	83·6	83·5	85·6	29·8	14	3	90·5	5	22	82·2	22
89·2	88·5	87·1	85·4	84·7	84·3	84·0	83·5	83·1	85·3	29·6	12	30	90·0	5	30	81·3	23
89·8	88·7	87·1	85·4	84·7	84·3	84·0	83·5	83·2	86·5	29·7	12	20	90·6	5	00	82·4	24
90·0	89·7	88·0	86·8	86·2	85·5	85·2	84·9	84·7	86·2	30·1	13	53	91·0	3	40	82·4	25
89·9	89·1	88·0	86·6	85·9	85·5	85·1	84·9	84·6	86·1	30·1	14	49	90·6	5	42	82·5	26
90·3	89·5	88·3	86·9	86·2	85·6	85·3	85·0	84·8	86·6	30·3	13	54	91.0	5	20	83·2	27
90·3	89·3	88·1	86·8	86·3	85·7	85·5	85·4	85·1	**86·8**	**30·4**	13	5	91.5	5	00	83·4	28
90·9	89·6	88·0	86·5	85·5	85·0	85·0	84·7	84·4	86·6	30·3	15	8	91·2	4	50	83·4	29
90·0	88·7	87·5	86·0	85·2	84·6	84·3	83·7	83·4	86·1	30·1	13	50	**91·6**	5	45	82·9	30
90·4	89.5	88.0	86·2	85·5	85·4	85·2	84·7	84·6	86·3	30·2	13	48	91·2	4	5	82·4	31
89·1	88·2	86·8	85·2	84·5	84·0	83·7	83·3	83·1	85·0	29·4							Mean.
+4·1	+3·2	+1·8	+0·2	—0.5	—1·0	—1·3	—1·7	—1·9									Variation.
31·7	31·2	30·4	29·6	29·2	28·9	28·7	28·5	28·4									Mean in °C
+2·3	+1·8	+1·0	+0·2	—0·2	—0·5	—0·7	—0·9	—1·0									Variation in °C.

JUNE.

89·2	88·5	87·0	85·3	84·5	84·2	84·0	83·9	83·7	85·9	29·9	13	21	91·0	5	50	82·8	1
89·5	88·3	86·8	85·2	84·5	84·4	84·1	83·6	83·6	85·7	29·8	12	31	90·8	5	40	82·1	2
89·3	88·7	87·5	86·1	85·5	84·8	84·5	84·4	84·1	85·7	29·8	13	40	90·0	5	0	82·4	3
90·2	89.5	88·2	87·0	86·2	85·5	85·0	84·8	84·7	86·3	30·2	15	7	90·7	5	30	82·9	4
90·2	89·4	88·3	86·7	85·8	85·5	85·2	85·0	84·8	86·7	30·4	15	40	90·6	4	10	83·6	5
90·9	90·4	89·3	88·0	87·2	86·5	86·2	86·0	85·7	87·2	30·7	15	24	91·3	5	40	84·0	6
91·2	90·3	89·1	87·5	86·7	86·5	86·5	85·8	85·5	**87·3**	**30·7**	14	20	**91·8**	5	0	83·6	7
88·8	88·7	87·8	86·8	86·2	85·5	85·0	85·0	84·8	84·8	29·3	15	55	89·5	4	40	78·5	8
90·5	88·7	87·5	87·0	86·6	86·5	84·0	83·4	83·5	86·0	30·0	14	2	91·7	6	40	82·8	9
86·4	86·4	85·7	84·6	84·0	83·6	83·4	83·3	83·0	82·2	27·9	15	2	86·7	5	10	76·6	10
85·7	85·5	85·1	84·3	84·0	83·9	83·6	83·5	83·5	83·2	28·4	15	25	86·1	8	10	78·5	11
88·6	87·4	86·6	81·0	78·8	79·9	80·5	80·6	80·6	84.1	28.9	14	50	89·0	18	32	78·5	12
84·7	81·0	81·2	80·4	80·5	80·0	80·1	80·4	80·4	82·3	27·9	14	36	88·4	20	15	79·8	13
81·8	81·0	80·8	80·5	80·3	80·6	80·9	81·4	80·8	81·4	27·4	11	10	85·6	5	24	79·4	14
80·1	80·2	81·0	81·3	79·0	79·4	79·7	79·4	79·9	81·9	27·7	13	13	86·5	19	25	78·0	15
78·5	79·1	79·8	80·0	79·5	77·8	78·5	79·7	79·7	80·3	26·8	10	35	84·5	20	2	77·5	16
80·0	80·0	80·0	80·8	81·0	81·5	82·0	81·0	80·5	79·6	26·4	21	40	82·4	6	10	77·3	17
85·8	85·5	84·3	83·8	83·7	83·4	80·8	80·6	82·0	82·5	28·1	14	35	85·9	6	30	78·9	18
84·0	81·8	82·5	82·7	83·0	82·0	81·3	81·6	81·8	82·4	28·0	14	4	85·5	3	45	79·5	19
81·3	80·5	79·2	78·6	80·0	80·6	80·6	80·4	80·4	81·2	27·3	13	35	84·0	17	50	78·0	20
81·5	82·0	81·6	80·6	80·9	80·5	80·7	81·0	80·9	80·3	26·8	16	5	82·1	3	25	78·8	21
76·9	77·3	77·5	77·5	77·5	77·9	79·7	81·4	81·0	**78·6**	**25·9**	22	35	81·5	17	50	**76·4**	22
85·8	85·3	84·6	83·9	81·6	83·4	83·2	83·0	82·9	83·0	28·3	13	10	86·2	0	57	78·2	23
82·3	83·5	82·7	82·5	82·1	82·0	82·9	83.0	82·9	83·0	28·3	12	32	86·5	14	5	80.3	24
85·2	85·0	84·6	83·9	81·6	83·5	83·3	83·2	83·0	83·9	28·8	12	20	86·4	6	10	81·2	25
80·9	81·9	81·7	82·0	80·2	79·8	80·4	82.0	82·6	82·2	27·9	13	15	85·4	14	20	78·6	26
81·5	79·8	80·0	80·0	80·4	81·8	82·0	82·2	82·1	80·9	27·2	14	35	82·6	6	52	77·7	27
81·2	81·0	80·7	80·4	80.0	80·8	81·4	81·4	80·2	81·7	27·6	11	58	85·0	12	45	79·8	28
83·1	83·5	83·2	82·1	82·0	82·1	82·4	82·5	82·0	82·2	27·9	13	37	85·4	1	58	79·5	29
84·9	82·1	81·0	82·0	82·0	82·2	82·2	82·0	81·5	82·1	27·8	15	50	85·0	16	50	78·2	30
85·0	84·4	83·8	83·1	82·6	82·5	82·5	82·5	82·4	83·1	28·4							Mean.
+1·9	+1·3	+0·7	0·0	—0·5	—0·6	—0·6	—0·6	—0·7									Variation.
29·4	29·1	28·8	28·4	28·1	28·1	28·1	28·1	28·0									Mean in °C.
+1·0	+0·7	+0·4	0·0	—0·3	—0·3	—0·3	—0·3	—0·4									Variation °C.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JULY. (IN DEGREES FAHRENHEIT.)

Date.	Hours (B.M.T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	82·0	82·1	82·1	82·1	81·9	81·3	81·5	80·0	80·1	80·7	82·3	83·2	82·2	83·0	83·3
2	81·8	82·0	82·0	82·0	81·5	81·8	81·7	81·8	82·7	82·0	81·0	81·1	82·0	82·3	81·7
3	81·7	81·7	81·3	81·5	80·5	80·6	81·5	81·9	81·6	80·5	78·5	78·0	78·5	79·9	81·1
4	81·2	78·0	79·3	79·5	79·9	80·7	81·4	81·6	82·0	82·9	83·0	84·4	84·4	84·2	84·0
5	79·3	80·1	81·0	80·8	81·0	81·1	80·5	81·0	81·1	81·4	82·2	83·5	84·8	84·9	85·2
6	81·1	81·3	79·9	80·1	80·1	80·1	79·8	81·5	83·0	83·9	84·6	85·0	85·5	85·9	85·6
7	82·0	82·0	81·9	81·7	81·6	81·6	81·4	81·7	79·7	81·8	82·0	82·0	84·3	84·6	84·5
8	81·9	81·5	81·6	81·7	81·4	81·4	81·7	82·0	82·8	82·8	83·6	83·6	84·2	84·8	84·8
9	81·1	80·8	81·4	81·3	81·0	80·4	80·8	81·3	82·3	82·8	81·0	82·5	82·8	83·0	83·3
10	82·0	81·8	81·1	81·1	81·4	81·1	81·2	81·3	82·4	82·8	83·7	83·0	83·2	83·8	81·7
11	81·6	80·8	80·3	80·4	80·6	80·8	80·9	81·6	81·4	81·7	82·1	82·1	80·0	79·2	82·3
12	81·5	81·3	81·3	81·1	81·2	81·2	81·3	81·7	82·0	82·7	82·7	81·1	82·9	84·0	83·3
13	81·5	81·5	81·4	81·3	80·4	80·5	81·0	81·5	82·1	82·8	83·4	83·8	84·3	84·5	84·7
14	82·0	82·0	81·9	81·7	81·2	80·6	81·1	81·2	82·8	81·9	82·0	83·0	84·1	84·2	84·1
15	80·3	80·0	80·4	80·6	80·4	80·6	79·3	78·0	79·2	81·6	82·7	82·7	84·1	84·1	84·3
16	81·2	81·0	81·0	81·0	81·0	80·7	80·9	81·5	82·5	83·1	84·2	84·7	85·2	85·4	85·1
17	81·4	81·5	81·3	81·2	81·1	81·3	81·3	81·9	81·4	82·0	83·8	84·5	84·8	83·0	83·3
18	81·0	80·9	80·9	80·8	80·8	80·7	81·0	81·8	82·6	83·7	83·0	83·2	84·5	84·4	83·2
19	78·8	78·9	78·2	78·6	79·1	78·0	79·1	79·9	81·0	82·5	81·9	82·3	82·1	83·5	83·5
20	79·9	79·6	78·0	77·5	77·7	78·0	78·0	78·4	78·6	78·5	78·1	78·9	81·9	82·6	82·8
21	81·2	81·3	81·2	81·2	81·3	81·2	81·2	81·3	80·9	81·9	85·0	83·5	83·7	83·1	82·9
22	81·0	81·1	80·9	80·9	80·8	81·1	81·4	81·8	82·8	82·3	82·0	82·5	84·0	84·0	84·3
23	80·5	80·5	80·6	80·5	80·6	80·7	80·6	81·1	81·9	82·5	83·6	84·5	85·5	86·0	85·8
24	81·0	81·0	80·8	80·6	80·5	80·4	80·5	81·1	82·2	82·3	84·0	84·8	85·0	85·5	84·8
25	81·5	81·4	81·3	81·0	80·7	80·5	81·0	81·5	82·6	83·5	84·5	85·0	85·9	86·3	85·8
26	81·2	81·1	80·9	80·8	80·6	80·5	80·7	80·0	80·1	80·0	79·5	79·8	80·3	81·5	82·0
27	81·5	81·4	80·7	80·8	80·6	80·4	80·7	81·3	81·8	81·7	81·1	80·0	80·7	78·0	77·8
28	77·7	77·5	77·8	78·5	78·5	78·0	78·1	78·5	78·0	78·3	77·8	78·1	78·8	79·3	79·9
29	77·1	77·0	76·9	76·0	76·1	76·5	76·8	77·0	77·7	78·3	79·0	79·2	79·5	79·4	79·6
30	77·3	78·0	78·0	78·2	78·0	77·8	76·9	76·5	76·9	77·1	77·5	78·4	78·3	76·4	76·2
31	77·8	76·3	76·6	77·0	77·0	75·7	75·9	76·2	76·1	76·0	75·4	75·6	76·0	75·5	76·0
Mean . .	80·7	80·5	80·4	80·4	80·3	80·2	80·3	80·6	81·0	81·5	81·7	82·1	82·7	82·8	82·8
Variation. .	—0·5	—0·7	—0·8	—0·8	—0·9	—1·0	—0·9	—0·6	—0·2	+0·3	+0·5	+0·9	+1·5	+1·6	+1·6
Mean in °C .	27.1	26·9	26·9	26·9	26·8	26·8	26·8	27·0	27·2	27·5	27·6	27·8	28·2	28·2	28·2
Variation in °C .	—0·2	—0·4	—0·4	—0·4	—0·5	—0·5	—0·5	—0·3	—0·1	+0·2	+0·3	+0·5	+0·9	+0·9	+0·9

AUGUST.

1	75·4	75·3	75·6	76·0	76·4	76·3	77·1	77·3	76·4	76·7	77·1	77·0	76·3	76·3	76·8
2	76·8	77·3	77·0	77·6	77·8	78·4	77·5	77·6	76·6	76·5	77·4	78·2	78·5	79·6	79·8
3	78·2	78·5	78·0	77·9	78·5	78·5	78·6	78·8	79·6	80·2	81·1	80·8	80·6	80·2	78·2
4	79·0	79·0	78·3	77·6	77·8	78·7	78·7	78·8	80·2	80·8	81·6	82·6	82·8	82·0	81·6
5	79·3	79·6	79·6	79·7	79·8	79·9	80·0	78·2	78·0	80·0	81·0	81·5	81·5	81·2	81·0
6	80·0	80·0	80·0	80·0	80·0	79·8	79·7	80·1	79·5	80·7	81·4	82·0	82·3	82·9	83·0
7	80·2	80·1	80·0	79·5	79·3	78·2	78·1	79·0	78·7	81·1	82·4	83·1	83·9	84·1	84·0
8	80·8	79·8	78·3	77·2	78·2	78·6	78·0	79·3	79·8	79·2	81·4	81·9	82·1	82·1	79·8
9	79·6	79·0	79·0	79·5	78·4	78·5	79·3	79·5	80·6	81·5	82·3	83·1	83·8	83·9	82·8
10	79·6	80·0	79·9	79·8	79·8	79·5	78·8	78·2	80·7	80·9	80·3	80·4	81·0	82·4	83·1
11	79·6	78·8	79·4	78·8	79·1	79·0	78·2	79·0	79·0	79·9	80·2	80·3	79·5	80·2	80·7
12	78·8	78·9	79·6	79·4	79·6	79·7	79·6	79·7	80·2	80·7	81·4	82·1	82·0	82·7	82·6
13	78·5	78·6	78·0	78·5	79·0	79·6	80·0	80·3	80·8	81·1	82·5	83·3	83·0	82·5	83·4
14	79·7	79 6	79·4	79·6	79·5	79·3	79·4	79·6	81·0	81·2	80·1	79·5	80·1	80·7	81·0
15	79·5	79·7	79·8	79·3	79·2	79·6	78·8	79·4	80·8	81·3	80·7	81·2	80·0	80·3	79·1
16	78·8	78·5	78·3	77·6	77·5	76·8	77·0	77·7	79·0	80·3	81·0	80·8	79·0	79·5	79·6
17	79·6	79·6	79·0	79·5	79·3	79·2	79·5	79·5	79·9	80·5	80·3	80·5	79·9	80·0	80·5
18	78·9	78·8	79·6	79·6	79·7	79·5	79·0	78·3	79·1	79·6	80·8	81·0	81·5	81·4	81·1
19	80·0	79·8	78·6	79·3	78·5	79·3	79·2	79·1	79·5	80·5	81·0	81·3	81·8	81·3	81·1
20	78·9	78·8	79·1	79·4	79·4	79·5	79·5	80·0	80·2	80·3	80·1	80·4	82·3	93·0	82·7
21	79·9	79·8	79·6	79·6	79·4	79·0	78·9	79·7	80·1	81·0	81·0	82·2	82·4	82.7	82·2
22	79 7	79·7	79·6	79·4	79·2	79·1	79·1	79·5	79·2	80·7	81·5	82·3	82·9	81·3	81·7
23	79·7	79·4	79·1	79·3	79·3	78·7	79·6	79·5	80·5	81·4	82·0	82·3	82·3	82·1	81·5
24	79·6	79 5	79·1	79·3	79·0	78·6	79·5	80·1	80·8	81·7	82·4	83·1	83·0	82·4	82·7
25	79·1	78·8	78·8	79·0	79·0	79·0	79·3	79·8	79·4	79·6	81·1	82·6	83·4	83·4	82·2
26	79·5	79·4	79·2	79·3	79·2	79·3	79·4	80·3	81·3	81·9	82·3	81·5	82·9	82·6	82·8
27	79·6	79·5	78·4	78·7	78·8	78·8	78·9	80·0	81·3	82·1	82·8	81·5	82·7	81·3	82·5
28	79·8	79·4	79·6	79·5	79·6	79·5	79·7	80·1	81·2	81·3	81·6	81·8	82·2	82·9	83·3
29	79·8	79·8	79·5	79·4	79·4	79·3	79·4	80·0	81·8	82·6	83·6	84·2	84·3	80·4	79·8
30	77·6	77·8	78·3	77·9	77·6	77·3	77·6	78·3	80·2	79·1	79·5	80·7	82·0	82·8	83·5
31	79·6	79 5	79·5	79·4	79·4	79·2	79·3	80·0	81·4	82·3	82·8	83·2	83·7	84·0	84·4
Mean . .	79·2	79·1	78·9	78·9	78·9	78·9	78·9	79·2	79·9	80·5	81·1	81·5	81·7	81·7	81·6
Variation. .	—0·8	—0·9	—1·1	—1·1	—1·1	—1·1	—1·1	—0·8	—0·1	+0·5	+1·1	+1·5	+1·7	+1·7	+1·6
Mean in °C .	26·2	26·2	26·1	26·1	26·1	26·1	26·1	26·2	26·6	26·9	27·3	27·5	27·6	27·6	27·6
Variation in °C.	—0·5	—0·5	—0·6	—0·6	—0·6	—0·6	—0·6	—0·5	—0·1	+0·2	+0·6	+0·8	+0·9	+0·9	+0·9

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JULY. (IN DEGREES FAHRENHEIT.)

Hours (B. M. T.).									Mean.		Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	°F	°C	Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
83·9	83·7	83·4	83·0	82·8	82·7	82·6	81·8	82·0	82·2	27·9	15 40	84·5	7 25	79·1	1
82·1	82·7	82·1	81·6	81·7	81·7	81·8	81·8	81·7	81 9	27·7	9 20	83 7	4 30	80·5	2
81·6	80·5	81·0	81·6	81·7	81·2	81·5	81·5	81·6	81·9	27·2	8 0	82·0	11 35	77·0	3
83·4	79·8	78·8	79·9	81·5	81·7	81·7	81·5	81·1	81·5	27·5	11 32	84·6	1 28	76·4	4
84·8	84·1	83·0	82·5	82·2	82·2	82·1	82·0	81·3	82·2	27·9	14 30	85·4	0 15	78·5	5
84·6	82·7	82·2	82·4	82·6	82·4	82·2	82·2	82·2	82·5	28·1	14 18	86·2	3 54	78·4	6
83·7	82·9	82·4	82·0	82·0	82·0	82.0	82·0	81·9	82·2	27·9	13 19	84·7	8 20	78 9	7
84·2	83·4	83·0	82·1	81·8	81·9	82·0	82·0	81·9	82·6	28·1	13 35	84·9	4 22	81·2	8
83 5	82·9	82·7	82·6	82·5	82·5	82·5	82·3	82·2	82·1	27·9	15 16	83·7	10 22	78·3	9
83·0	82·8	82·3	80·7	80·9	81·5	81·6	81·6	81·6	82·0	27·8	19 40	84·4	14 20	79·6	10
83·1	80·8	80·4	81·5	81·7	81·7	81·6	81·6	81·5	81·2	27·3	15 17	83·4	13 5	77·5	11
82·2	81·6	80·9	81·6	81·6	81·6	81·5	81·5	81·5	81·8	27·7	13 31	84·4	17 4	79·6	12
84·2	83·5	83·1	82·6	82·5	82·4	82·4	82·0	82·1	82·5	28·1	14 5	84·9	4 35	79·6	13
81·9	80·9	80·5	80·6	80·9	80·9	81·0	81·3	79·6	81·7	27·6	13 10	84·6	19 39	79·5	14
84·3	84·0	83·4	82·5	82·1	82·0	80 7	79·0	80·9	81·5	27·5	12 53	84·6	7 35	77·5	15
84·5	84·0	83·5	82·6	82·2	81·7	81·5	81·5	81·5	82·6	28·1	13 58	85·6	5 25	80·5	16
83·1	83·0	81 2	81·6	80·1	79·8	81·0	81·0	81·0	81·9	27·7	13 0	85·0	19 55	79·0	17
81·9	82·5	82·5	81·5	80·4	79·5	79·3	79·3	78·9	81·6	27·6	13 0	85·0	5 30	80·4	18
82 9	82·8	81·6	80·1	79·7	79·6	79·9	80·5	80·1	80·6	27·0	15 0	84·2	5 2	77·7	19
83·0	82·4	81·9	81·9	81·9	81·8	81·5	81·4	81·4	80·2	26·8	15 5	83·5	3 10	77·4	20
82·6	82 5	82·1	82 0	81·7	81·6	81·6	80·4	81·0	81·9	27·7	12 14	84·0	22 16	79·8	21
84·4	83·6	83·0	82·5	82·0	81·7	81·2	81·0	80·6	82·1	27·8	15 0	84·6	4 2	80·5	22
85·6	84·9	84·0	83·0	82·3	82·0	82·0	82·0	81·5	82 6	28·1	13 35	86·5	7 36	80·1	23
84·4	84·0	83·3	82·3	82·0	81·6	81·5	81 9	81·7	82·4	28·0	13 32	85·6	5 58	80·3	24
84·3	83·2	82·8	82·3	82·0	82·0	81·7	81·6	81·7	**82·7**	**28·2**	14 2	**87·0**	5 20	80·2	25
83·1	83·2	82·6	81·9	81·5	81·4	81·5	81·5	81·5	81·1	27·3	15 34	83·5	10 23	79·4	26
77·9	77·6	77·6	77·3	76·5	76·9	77·3	77·4	77·6	79·4	26·3	8 20	82·0	19 35	76·3	27
80·0	79·0	78·5	78·7	79·1	79·1	78·0	77·4	77·3	78·4	25·8	14 45	80·5	10 50	77·0	28
79·4	78·5	78·3	77·1	75·7	75 9	76·2	76·6	77·0	77·5	25·3	14 31	79·8	3 22	75·9	29
76·5	77·1	76·2	**75·0**	75·4	76·0	77·2	78·1	78·4	77·1	25·1	12 35	79·5	18 57	**74·4**	30
76·1	76·7	75·9	76·0	76·4	76·4	75·5	75·9	76·0	**76·2**	**24·6**	0 5	78·5	5 30	75·4	31
82·6	82·0	81·4	81·1	80·9	80·8	80·8	80·7	80·7	81·2	27·3					Mean.
+1·4	+0·8	+0.2	—0·1	—0·3	—0·4	—0·4	—0·5	—0·5							Variation.
28·1	27·8	27·4	27·3	27·2	27·1	27.1	27·1	27·1							Mean in °C.
+0·8	+0·5	+0·1	0·0	—0·1	—0·2	—0·2	—0·2	—0·2							Variation in °C.

AUGUST.

77·0	76·4	76·2	76·0	75·3	75·6	75·8	76·3	76·1	**76·3**	**24·6**	15 25	77·5	1 0	**75·0**	1
78·6	78·0	78·0	76·9	76·8	76·2	76·6	77·0	78·0	77·6	25·3	14 28	80·0	20 3	75·5	2
79·7	80·0	79·8	78·8	79·5	79·7	79·4	79·0	78·8	79·3	26·3	10 50	81·6	2 50	77·4	3
81·5	81·3	81·1	80·6	79·9	79·6	80·0	80·4	80·0	80·3	26·8	12 17	83·5	3 15	77 1	4
80·4	80·2	80·2	80·2	80·2	80·1	80·2	80·2	80·1	80·1	26·7	11 32	81·7	8 20	77·2	5
83·1	82·3	82·0	81·4	80·7	80·7	80·6	80·4	80·3	81·0	27·2	13 53	83·5	8 15	78·1	6
83·1	82·8	82·1	81·6	81·5	81·3	81·2	80·9	80·7	**81·1**	**27·3**	14 3	84·3	6 25	77·3	7
79·9	79·1	79·0	79·1	79·6	79·6	79·9	79·8	79·7	79·7	26·5	12 5	82·7	3 15	77·0	8
81·5	81·4	80·9	80·0	79·7	80·0	79·8	79·3	79·5	80·5	26·9	13 20	84·3	1 45	78·2	9
82·1	80·3	79·5	78·5	79·2	79·1	79·3	78·3	78·3	80·0	26·7	15 8	83·7	7 6	77·3	10
80·6	80·5	80·5	80·2	79·5	79·0	79·9	80·1	80·0	79·7	26·5	14 3	80·9	6 14	77·8	11
82·1	82·0	81·5	80·9	79·8	79·8	79·5	78·9	79·5	80·5	26·9	14 7	83·2	0 34	77·6	12
83·3	83·0	82·5	81·5	81·2	80·8	80·6	79·7	79·6	80·9	27·2	12 20	83·8	1 10	77·5	13
81·3	79·7	80·5	80·5	80·6	80·7	80·6	80·4	80·2	80·2	26·8	14 48	81·7	16 15	78·7	14
78·9	78·3	78·5	78·6	78·0	78·5	78·6	78·5	78·6	79·4	26·3	9 34	82·0	19 30	77·4	15
79·8	79·9	79·9	80·0	80·0	79·8	79·7	79·6	79·7	79·2	26·2	11 30	81·4	5 34	76·5	16
80·5	80·2	79·8	78·5	79·0	79·5	79·4	79·5	79·2	79·7	26·5	11 20	81·0	18 30	78 0	17
80·8	80·4	80·4	79·9	79·8	79·7	79·0	79·7	79·8	79·9	26·6	12 40	81·6	7 22	77·8	18
81·0	80·7	80·6	79·4	79·6	79·2	79·3	79·1	79·2	79·9	26·6	12 50	82·4	7 49	77·5	19
82·5	82·0	81·2	80·6	80·5	80·4	80·3	80·1	80·0	80·5	26·9	13 32	83·5	1 49	78·1	20
81·6	80·9	79·9	80·0	80·1	80·2	80·3	80·3	80·0	80·5	26·9	13 58	83·2	5 45	77·7	21
81·8	81·3	80·2	78·6	79·4	79·5	79·8	79·7	79·8	80·2	26·8	12 2	83·4	8 25	78·5	22
81·5	80·2	79·7	79·6	79·4	79·4	79·7	79·9	79·8	80·2	26·8	12 51	83 4	5 6	78·0	23
82·9	82·0	80·5	78·3	79·4	78·7	78·0	78·1	79·0	80·3	26·8	11 50	83·8	20 50	77·3	24
83·4	81·6	80·3	80·3	80·4	80·5	79·4	79·1	79·2	80·4	26·9	13 8	83·7	1 58	78·0	25
83·3	80·3	80·5	78·7	79·3	79·6	79·5	79·6	79·6	80·5	26·9	15 44	83·8	18 25	78·0	26
82·6	82·1	80·1	79·4	79·9	80·3	80·0	79·9	79·8	80·5	26·9	10 50	83·5	2 22	77·5	27
83·0	82·2	81·9	80·9	80·4	80·3	80·0	80·0	79·9	80·8	27·1	15 0	84·0	1 20	78·7	28
79·8	79·6	78·5	77·0	76·9	76·5	77·0	77·4	77·5	79·7	26·5	12 50	**84·8**	21 0	76·2	29
83·6	81·8	81·4	80·8	80·6	80·4	78·4	79·6	80·0	79·9	26·6	15 22	84·0	5 50	77·0	30
83·6	80·8	80·1	77·4	76·8	78·4	78·8	79·2	79·3	80·5	26·9	14 54	84·6	19 10	76·2	31
81·4	80·7	80·2	79·5	79·5	79·5	79·4	79·4	79·4	80·0	26·7					Mean.
+1·4	+0·7	+0·2	—0·5	—0·5	—0·5	—0·6	—0·6	—0·6							Variation.
27·4	27·1	26 8	26·4	26·4	26·4	26·3	26·3	26·3							Mean in °C.
+0·7	+0·4	+0·1	—0·3	—0·3	—0·3	—0·4	—0·4	—0·4							Variation in °C.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN DEGREES FAHRENHEIT.)

Date.	Hours (B. M. T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	78·8	77·8	78·5	78·0	77·6	78·0	79·0	79·3	80·8	81·4	82·3	82·6	83·2	83·4	83·7
2	76·9	76·6	76·9	76·9	76·7	76·2	**76·0**	76·3	77·1	78·2	76·8	79·2	80·8	82·1	81·2
3	79·0	78·1	76·3	77·0	77·7	77·2	77·6	77·4	77·9	79·8	81·5	82·1	82·7	83·7	83·2
4	79·5	79·0	78·5	78·6	78·7	78·9	79·2	79·6	80·0	81·0	81·6	79·6	79·2	79·5	79·6
5	79·3	79·3	79·1	79·3	79·3	79·3	78·0	78·0	73·1	78·5	78·6	79·0	80·0	80·9	79·6
6	80·0	80·0	80·0	80·0	80·1	80·0	80·0	79·7	79·4	80·1	80·6	78·9	77·4	76·6	76·9
7	76·5	76·4	76·4	76·5	77·1	77·6	78·0	78·3	79·0	78·5	78·0	79·5	79·8	79·9	79·6
8	78·6	78·6	78·5	78·5	77·7	77·5	78·0	78·9	79·9	81·2	81·0	77·8	79·0	80·6	80·0
9	77·5	77·7	78·0	76·6	76·7	77·3	77·8	78·5	79·3	80·4	81·7	80·9	80·8	82·6	83·4
10	79·0	79·0	78·7	78·5	78·5	78·5	78·9	79·5	80·9	81·7	83·0	83·5	82·6	83·2	82·7
11	79·4	79·0	79·0	79·0	79·0	78·7	78·7	78·6	79·8	81·5	82·7	83·3	83·4	83·4	82·9
12	78·7	79·0	78·7	78·6	78·5	78·4	77·7	77·4	79·2	79·6	80·9	82·7	83·5	83·0	83·2
13	79·3	79·3	79·1	79·0	79·2	78·8	78·4	79·5	80·3	81·0	82·4	83·1	84·0	84·6	84·5
14	79·7	79·6	79·3	79·0	79·1	79·1	79·0	79·9	81·3	81·7	80·8	82·4	81·1	80·3	81·6
15	76·6	77·5	78·1	77·4	76·3	76·6	77·8	79·0	80·3	81·7	82·5	83·5	84·3	84·5	84·7
16	79·5	79·6	79·6	79·4	79·4	79·4	79·7	80·6	80·8	80·7	82·9	83·1	84·5	84·8	84·3
17	79·9	80·0	79·6	79·3	79·3	79·1	79·2	80·1	81·7	81·9	83·7	84·5	85·0	85·3	85·0
18	80·0	79·2	79·4	79·4	79·2	79·0	79·2	80·1	81·9	83·0	84·0	84·5	84·9	84·9	85·1
19	80·1	79·9	79·6	79·5	78·8	78·3	79 1	80·2	82·0	82·8	82·7	81·4	82·1	80·7	82·8
20	79·1	78·9	78·5	78·4	77·8	77·8	78·2	79·3	81·1	82·2	83·1	83·7	84·2	84·2	84·5
21	79·9	79·1	78·5	78·1	78·3	78·2	78·1	78·9	80·5	81·2	82·1	83·0	84·0	84·4	84·6
22	79·8	80·0	79·1	79·2	79·2	79·0	78·8	79·5	81·3	82·0	83·7	84·5	84·7	84·6	84·7
23	80·3	80·3	80·0	80·0	79·1	79·4	79·4	80·5	81·2	83·0	84·1	84·7	85·0	84·2	83·1
24	78·0	78·5	79·0	79·2	79·3	79·3	79·4	80·4	82·2	82·8	84·2	85·0	85·2	85·5	85·4
25	80·0	79·8	79·9	79·8	79·3	79·3	79·4	80·1	81·7	83·0	83·9	84·5	83·8	84 7	85·1
26	79·6	79·4	79·0	78·7	78·1	78·5	78·4	79·9	81·1	82·0	83·4	84·4	85·0	85·5	85·4
27	79·9	79·9	80·0	79·8	79·8	79·7	79·0	80·0	81·0	81·6	82·5	83·0	83·0	83·0	83·0
28	80·4	80·1	79·9	78·8	79·0	78·5	78·7	79·3	80·1	81·9	83·7	84·5	84·9	85·1	85·0
29	80·6	80·9	80·6	80·5	80·6	80·6	80·6	81·1	82·2	82·9	83·2	84·3	85·5	86·3	86·6
30	82·4	81·9	81·6	81·2	80·6	80·5	80·5	81·8	83·4	84·1	85·0	85·5	86·0	86·3	86·5
Mean .	79·3	79·1	79·0	78·8	78·7	**78·6**	78·7	79·4	80·5	81·4	82·2	82·6	83·0	**83·3**	83·3
Variation .	—1·3	—1·5	—1·6	—1·8	—1·9	**—2·0**	—1·9	—1·2	—0·1	+0·8	+1·6	+2·0	+2·4	+2·7	+2·7
Mean in °C. .	26·3	26·2	26·1	26·0	25·9	**25·9**	25·9	26·3	26·9	27·4	27·9	28·1	28·3	**28·5**	28·5
Variation in °C.	—0·7	—0·8	—0·9	—1·0	—1·1	**—1·1**	—1·1	—0·7	**—0·1**	+0·4	+0·9	+1·1	+1·3	**+1·5**	+1·5

OCTOBER.

1	81·1	80·9	79·9	79·6	79·9	80·0	80·3	81·8	83·0	84·1	85·0	85·6	86·0	86·5	86·4
2	81·0	80·9	80·9	80·5	80·0	79·7	79·8	81·2	82·9	84·2	85·0	85·5	86·0	86·3	85·9
3	80·0	79·8	79·5	79·0	79·0	78·5	78·9	80·4	81·7	82·7	83·0	84·4	85·5	85·4	85·6
4	79·6	79·2	78·7	78·4	78·3	78·3	78·9	79·5	81·0	83·0	83·6	83·8	84·5	85·5	85·6
5	79·1	79·4	79·2	79·0	79·0	79·0	79·2	80·4	81·7	82·8	84·6	85·5	85·3	85·2	85·0
6	80·2	80·0	80·0	80·1	80·1	80·1	80·4	80·9	81·7	82·8	84·6	84·3	85·0	85·2	84·3
7	79·6	79·5	79·1	78·8	78·5	78·5	78·6	79·3	81·7	82·7	83·7	84·5	85·5	85·6	85·7
8	79·6	79·6	79·5	79·3	79·0	78·8	79·3	80·7	82·1	83·2	84·7	85·5	85·6	86·4	86·2
9	79·9	79·5	79·5	79·5	79·4	79·1	79·0	79·9	81·5	83·2	84·1	84·0	84·1	84·2	84·0
10	79·4	79·2	78·7	78·8	79·0	78·9	78·7	79·9	81·5	82·8	83·6	84·1	84·5	84·9	84·3
11	79·5	79·4	79·3	79·5	79·5	79·2	79·3	80·5	82·0	83·8	84·9	85·5	85·5	86·0	85·8
12	80·4	80·0	79·6	79·4	78·8	78·5	78·7	81·2	83·3	84·6	86·4	88·4	88·3	88·4	87·9
13	77·8	77·5	77·4	77·2	76·9	76·9	77·3	78·0	79·5	80·0	82·1	83·7	85·1	85·5	85·4
14	78·8	78·8	78·7	79·0	78·9	78·4	78·6	79·7	80·8	82·4	82·9	83·6	84·0	84·7	85·4
15	80·4	80·5	80·5	80·5	80·5	80·3	80·1	80·5	81·9	83·1	85·0	86·4	87·1	87·0	87·2
16	81·6	81·4	81·0	80·7	81·0	81·0	80·6	80·7	82·3	84·8	85·9	87·8	89·3	89·7	89·4
17	80·8	79·1	78·6	78·7	77·7	77·0	76·9	79·5	81·1	82·4	81·4	86·0	87·5	88·3	89·0
18	80·5	80·4	79·9	79·5	79·0	78·8	78·7	80·3	82·4	84·0	85·7	87·7	90·4	91·0	90·6
19	80·2	80·0	79·9	80·0	79·5	79·5	79·9	81·3	83·1	85·1	88·0	90·0	91·7	92·3	91·2
20	81·0	80·6	81·4	81·7	81·2	80·9	81·0	82·3	83·7	85·7	87·7	88·1	90·3	91·4	91·6
21	81·0	80·4	80·0	79·7	79·3	79·6	80·1	81·4	82·9	84·6	87·0	88·3	90·4	90·5	89·7
22	79·6	79·3	79·5	78·9	77·6	77·2	78·1	79·5	81·9	83·6	85·4	87·5	89·8	90·0	89·0
23	79·3	78·2	78·0	77·7	77·2	76·9	76·9	78·5	80·6	82·3	84·6	86·5	89·0	90·2	89·7
24	78·5	78·0	77·7	77·5	77·0	76·9	77·1	78·3	80·5	81·8	84·6	86·9	89·1	91·0	92·3
25	78·5	78·0	77·7	77·4	77·0	77·0	77·3	79·1	81·7	83·6	85·5	87·7	90·1	92 0	92·4
26	79·0	78·7	78·3	77·7	77·2	76·7	77·0	79·2	81·1	82·9	85·7	88·3	89·3	87·2	87·0
27	78·4	78·0	77·5	76·9	76·4	76·2	76·4	77·8	80·2	82·5	85·1	87·2	89·5	90·0	87·2
28	76·9	77·0	77·1	76·9	76·5	**76·0**	76·6	78·6	80·7	82·9	85·4	87·7	90·1	91·0	92·4
29	78·0	77·7	77·0	77·0	77·2	77·6	78·1	79·5	81·4	83·8	86·2	88·0	89·5	91·1	92·3
30	79·5	79·0	78·3	78·3	77·6	76·6	76·0	79·0	82·1	84·0	86·7	88·6	90·5	92·3	90·5
31	82·4	82·5	81·9	81·4	81·1	81·0	80·6	81·3	81·8	82·3	84·2	84·9	84·5	84·4	84·4
Mean .	79·7	79·4	79·2	79·0	78·7	**78·5**	78·7	80·0	81·7	83·3	85·0	86·3	87·5	**88·0**	87·9
Variation .	—2·6	—2·9	—3·1	—3·3	—3·6	**—3·8**	—3·6	—2·3	—0·6	+1·0	+2·7	+4·0	+5·2	+5·7	+5·6
Mean in °C. .	26·5	26·3	26·2	26·1	25·9	**25·8**	25·9	26·7	27·6	28·5	29·4	30·2	30·8	**31·1**	31·1
Variation in °C.	—1·4	—1·6	—1·7	1·8	—2·0	**—2·1**	—2·0	—1·2	—0·3	+0·6	+1·5	+2·3	+2·9	+3·2	+3·2

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN DEGREES FAHRENHEIT.)

Hours (B. M. T.)									Mean.		Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	°F.	°C.	Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
83·5	83·4	81·9	79 0	78·4	78·6	73·5	78·3	77·3	80·1	26·7	14 10	84·2	23 58	76·9	1
79·5	8 4	80·5	80·3	80·2	80·1	79·5	79·4	79·1	78·6	25·9	17 34	82·5	6 25	75·8	2
82·6	82·0	81·2	80·1	79 8	79·5	79·6	79·6	79·7	79·8	26·6	13 58	84·3	2 55	75·7	3
79·7	79·5	79·4	79·2	78·7	78·7	79·0	79·1	79·2	79·4	26 3	10 20	82·0	2 5	78·5	4
81·5	81·3	80·6	79·8	79·9	80·2	80·4	80·0	80·0	79·6	26·4	16 3	82·1	6 40	77·1	5
77·0	77·0	76·9	76·2	76·3	76·6	76·6	76·4	76·4	78·3	25·7	10 30	81·0	19 0	76·1	6
77·0	78·6	78·8	77·9	77·3	78·0	78·3	78·2	78·3	**78·1**	**25·6**	11 17	80·2	15 25	76·0	7
80·2	8 .7	79·8	79·2	78·9	79·0	79·3	77·5	77·3	79·1	26·2	10 2	82·0	11 31	76·5	8
83·0	80·3	81·1	80·6	80·2	80·2	78·4	78·1	78·9	79·6	26·4	15 13	83·7	3 35	76·0	9
83·3	82·3	81·5	80·5	80·2	80·0	79·9	79·7	79·8	80·6	27·0	11 20	83·8	4 30	78·4	10
82·9	81·8	81·5	80·8	80·1	79·8	79·7	79·0	78·6	80·5	26·9	15 35	83·7	7 0	78·1	11
82·4	81·8	81·1	80·5	80·3	80·0	79·7	79·6	79·5	80·2	26·8	12 40	84·2	7 2	77·1	12
84·4	83·9	82·5	81·1	80·8	80·4	80·3	80·0	80·0	81·1	27·3	14 50	84·8	6 25	78·2	13
80·7	79·0	77·5	78·0	78·3	78·0	77·0	76·6	76·2	79·4	26·3	12 10	83·4	23 20	75·8	14
84·5	81·5	80·1	80·0	79·8	79·7	79·6	79·7	79·6	80·2	26·8	14 35	84·9	4 45	75·9	15
84·1	83·4	82·0	81·0	80·7	80·5	80·4	80·3	80·1	81·3	27 4	13 40	85·0	3 35	79·1	16
85·0	84·0	82·8	81·6	81·4	81·0	80 8	80·5	80·4	81·7	27·6	13 20	85·6	3 40	79·0	17
85·0	83·2	82·8	81·6	81·3	81·0	80·8	80·5	80·3	81·7	27·6	12 34	85·5	1 32	78·4	18
83·5	83·1	82·0	81·2	80·8	80·5	80·5	80·0	79·5	80·9	27·2	10 40	83·8	5 17	77·9	19
84·2	83·5	82·4	80·7	80 5	80·8	80·8	80·5	80·3	81·0	27 2	15 10	85·0	5 0	77·6	20
83·8	83·1	82·0	81·2	81·0	81·0	80·9	80·6	80·1	80·9	27·2	14 9	84·9	6 2	77·8	21
84·5	83·4	82·4	81·5	81·3	81·2	81·2	81·1	80·6	81·6	27·6	12 55	85·1	6 2	78·3	22
82·9	83·0	82·5	81·7	81·4	81·3	81·0	80·4	79·7	81·6	27·6	12 54	85·5	23 58	78·4	23
85·0	81·5	83·1	81·6	81·2	81·0	80·4	79·9	79·8	81·7	27·6	13 20	85·7	0 12	77·8	24
85·0	84·0	82·1	80·8	80·4	80·2	80·2	79·8	79·5	81·5	27·5	14 10	85·5	4 50	79·0	25
85·1	83·9	82·3	81·4	81·0	70·6	80·5	80·2	80·0	81·4	27 4	14 15	85·6	6 50	78·0	26
80·7	80·6	80·4	80·5	80·6	80·7	80·7	80·2	80·0	80·8	27·1	14 2	84·8	6 30	78·7	27
84·0	77·3	78·0	78·0	78·1	78·0	78·3	79·0	79·8	80·4	26·9	14 10	85·6	16 20	76·4	28
86·7	86·0	84·7	84·1	83·7	82·8	82·1	82·5	82·5	83·0	28 3	13 38	86·8	3 40	80·3	29
86·7	86·0	84·3	83·2	82·9	82·5	82·3	82·2	81·8	**85·3**	**28·5**	15 42	**87·0**	6 2	80·2	30
82·9	82·1	81·3	80·4	80·2	80·1	79·9	79·6	79·5	80·6	27·0					Mean.
+2·3	+1·5	+0·7	−0·2	−0·4	−0·5	−0·7	−1·0	−1·1							Variation.
28·3	27·8	27·4	26·9	26·8	26·7	26 6	26·4	26·4							Mean in °C.
+1·3	+0·8	+0·4	−0·1	−0·2	−0·3	−0·4	−0·6	−0·6							Variation in °C.

OCTOBER.

86·0	85·4	84·3	83·3	83·0	82·3	82·0	81·6	81·2	82·9	28·3	14 10	86·7	3 10	79·5	1
85·5	84·6	83·1	82·1	81·5	81·3	80·9	80·5	80·2	82·5	28·1	13 36	86·7	6 2	79·4	2
84·9	83·7	82·2	81·4	81·3	81·1	81·0	80·5	80·0	81·6	27·6	14 25	86·0	5 50	78·3	3
85·1	84·0	82·1	81·2	80·6	80·5	80·4	79·7	79·0	81·3	27·4	14 33	85·7	5 20	78·2	4
84·8	84·0	82·2	81·4	81·0	81·0	80·7	80·5	80·6	81·7	27·6	12 8	86·0	4 30	78·9	5
84·5	83·4	81·9	81·0	80·6	80·2	80·1	80·0	79·7	81·7	27·6	13 40	85·6	23 30	79·6	6
85·2	84·3	82·9	81·8	81·0	80·6	80·5	80·0	79·8	81·6	27·6	14 15	86·1	4 45	78·3	7
86·1	84·9	83·1	81·7	81·4	80·8	80·4	80·0	80·0	82·0	27·8	13 40	87·0	5 40	78·6	8
83·2	82·0	80·6	79·8	79·6	79·5	79·6	79·7	79·9	81·0	27·2	12 37	84·5	6 15	78·7	9
84·0	83·1	82·0	81·2	80·7	80·2	80·0	79·7	79·5	81·2	27·3	13 40	85·4	6 10	78·5	10
85·4	84·5	83·1	82·3	81·8	81·8	81·4	81·0	80·7	82·2	27·9	13 56	86·6	6 25	79·0	11
85·6	83·9	83·5	81·9	79·6	79·0	77·4	77·3	77·6	82·1	27·8	11 38	88·8	21 35	77·0	12
84·7	83·0	82·9	82·1	81·6	81·3	80·2	79·7	79·4	**80·6**	**27·0**	13 58	86·0	5 20	76·8	13
85·6	85·3	84·4	83·1	82·6	82·0	81·6	81·2	80·6	81·7	27·6	16 2	85·8	6 20	78·0	14
86·4	85·4	84·6	83·6	83·2	83·0	83·0	82·8	82·2	83·1	28·4	13 40	87·7	5 58	80·0	15
88·7	87·2	85·5	84·2	83·8	82·8	81·8	80·7	81·7	83·9	28·8	13 16	90·5	6 30	80·5	16
88·4	86·0	84·6	83·2	82·3	81·7	81·1	81·8	81·7	82·4	28·0	14 29	89·5	6 15	76·4	17
89·8	87·7	85·6	84·2	83·5	82·6	82·1	81·7	81·1	83·6	28·7	13 25	91·5	6 10	78·0	18
90·0	88·2	86·1	84·9	84·1	83·4	83·0	32·2	81·5	84·4	29·1	13 58	93·0	4 30	79·4	19
90·0	88·2	86·0	84·1	83·4	83·2	83·2	82·8	82·0	**84·6**	**29 2**	14 35	92·4	1 45	80·5	20
88·8	87·1	85·2	83·6	83·4	83·0	82·5	81·4	80·4	83·8	28·8	13 10	91·1	4 50	79·0	21
87·4	85·6	83·4	81·8	81·2	81·0	80·0	78·8	79·0	82·3	27·9	13 10	90·6	5 16	76·9	22
88·3	86·2	83·3	81·9	81·3	80·8	79·7	79·1	78·8	81·9	27·7	13 4	91·3	6 20	76·5	23
89·7	86·7	83·7	81·6	80·5	80·0	80·4	79·6	79·0	82·0	27·8	14 41	92·6	4 45	76·6	24
88·5	86·6	84·1	82·6	81·9	81·2	80·2	79·4	79·2	82·4	28·0	14 17	**93·5**	4 45	76·6	25
85·6	84·0	82·2	81·0	80·5	80·0	79·4	78·6	78·0	81·4	27·4	12 35	90·3	5 58	76·5	26
85·8	83·6	83·0	81·9	81·4	80·5	79·6	78·0	77·2	81·3	27·4	13 5	91·2	5 30	76·0	27
91·2	86·6	83·6	82·2	81·4	80·5	80·0	79·0	78·4	82·0	27·8	14 30	92·6	5 10	75·9	28
92·5	87·0	83·5	82·0	81·5	80·7	79·9	79·0	79·7	82·5	28·1	14 50	93·0	2 50	76·8	29
87·3	84·4	82·5	82·3	83·0	83·0	83·3	83·1	82·6	82·9	28·3	14 15	93·1	6 30	**75·5**	30
84·0	83·8	83·5	83·2	82·5	82·0	81·9	81·2	80·4	82·5	28·1	11 10	85·0	23 58	79·9	31
86·9	85 2	83·5	82·3	81·8	81·3	80·9	80·3	80·0	82·3	27·9					Mean.
+4·6	+2·9	+1·2	0·0	−0·5	−1·0	−1·4	−2·0	−2·3							Variation.
30·5	29·6	28·6	27·9	27·7	27·4	27·2	26.8	26·7							Mean in °C.
+2·6	+1 7	+0·7	0·0	+0·2	+0·5	+0·7	+1·1	+1·2							Variation in °C.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (IN DEGREES FAHRENHEIT.)

Date.	Hours. (B. M. T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	79·9	79·9	79·5	78·6	78·5	78·6	78·5	78·0	77·3	76·9	78·1	77·8	76·2	75·1	74·5
2	70·5	70·5	70·5	70·4	70·0	79·6	**69·5**	70·2	71·2	71·4	71·5	72·2	73·2	73·5	74·2
3	72·0	72 0	72·2	72·2	72·5	72·9	73·3	73·8	74·3	74·5	74·7	75·2	75·2	76·0	76·1
4	75·8	75·6	75·6	75·5	75·6	75·6	75·8	76·8	78·1	79·3	80·2	80·9	81·3	81·4	81.0
5	76·1	75·8	75·5	75·6	75·5	75·1	75·2	76·2	77·2	78·3	79·7	80·5	80·9	81·2	81·3
6	76·0	75 9	75·6	75·5	75·1	75·0	75·1	76·0	86·9	78·6	79·8	80·6	81·5	81·6	81·4
7	76·1	76·5	76·0	75·6	75·5	75·4	75·4	76·0	77·5	79·4	81·6	83·4	85·0	86·2	84·9
8	76·5	75·8	75·0	75·5	73·4	73·0	73·1	74·8	76·5	77·6	79·6	81·9	83·7	85·1	84·1
9	75·4	74·7	73·0	75·7	71·3	71·8	71·8	73·2	74·7	76·2	78·8	80·7	81·7	82·2	82·3
10	74·3	73·4	73·0	74·7	73·0	72·2	71·9	72·5	73·0	75·0	76.9	78·3	89·8	81·1	81·5
11	74·0	75·8	73·4	72·2	72·8	72·7	72·2	72·7	73·0	74·0	75·9	76·5	88·3	80·0	80·5
12	73·8	73·6	73·4	73·1	73·4	73·0	72·9	72·9	73·3	74·9	76·5	77·8	89·5	80·7	81·1
13	74·9	73·9	73·6	73·6	71·6	71·5	71·1	73·0	75·9	76·9	79·1	81·0	83·4	83·7	83·0
14	75·8	75·3	75·0	73·4	74·2	73·9	73 7	74·6	76·5	78·2	80·5	82·5	85 0	85·3	84·6
15	75·3	75·1	74·7	72 9	73·9	73·8	73·7	74·7	76·3	77·9	80·5	82·5	83·5	83·6	83·6
16	76·1	75·6	75·5	74·7	74·8	74·5	73·8	75·2	77·0	78·6	81·0	82·6	83·5	83·5	82·9
17	75·7	75·6	75·0	74·4	73·6	72·5	72·4	74·8	76·2	77·9	80·0	82·8	85·2	86·5	86·0
18	74·5	75·0	74·9	74·7	74·0	73·8	74·3	75·3	76·8	78·0	80·3	83·2	86·0	87·6	88·1
19	75·0	85·2	74·7	74·2	74·4	73·6	73·4	74·5	75·9	77·9	80·2	82·2	85·1	87·3	88·0
20	76·0	74·9	74·0	74·5	74·0	73·2	73·0	73·5	74·8	77·0	79·3	81·1	83·7	86·2	86·6
21	74·8	74.5	74·5	74·5	74·0	73·5	73·5	74·1	75·0	77·0	79·4	81·4	83·0	85·0	86·0
22	74·0	73·6	73·5	74·0	74·2	73·7	73·9	74·7	76·1	77·9	80·7	83·0	84·2	84·5	84·1
23	73·9	73·7	73·9	74·6	73·6	73·5	72·6	73·5	74·4	75·9	77·9	80·6	83·0	84·1	84·6
24	73·9	73·0	73·1	74·5	73·3	73·2	73·1	74·1	75·2	77·0	79·4	81·5	84·7	85·9	84·5
25	73·8	74·7	74·7	73·7	73·1	72·7	73·0	73·9	75·9	77·2	79·7	82·0	85·2	87·9	86 5
26	74·6	74·0	74·2	73·8	73·3	72·5	72·4	73·7	75·0	76·9	79·8	82·5	84·5	83·3	83·5
27	74·3	84·3	74·2	73·7	73·5	73·0	73·0	74·0	76·0	77·9	80·4	82·7	85·8	85·6	85·0
28	75·1	85·1	74·5	74·0	73·6	73·0	72·8	73·8	75·5	77·1	79·1	81·6	84·9	85·9	83·9
29	74·4	74·6	74·0	74·3	73·5	73·0	72·5	73·3	75·4	77·5	80·1	82·3	84 5	86·1	86·3
30	75·0	74·3	73·0	72·6	73·0	73·0	72·5	73·7	75·7	77·5	79·8	82·5	85·4	87·1	**8 ·3**
Mean .	74·9	74·7	74·3	74·1	73·7	73·4	**73·3**	74·3	75·6	77·0	79·0	80·8	82·6	**83·4**	83·3
Variation .	—2·5	—2·7	—3·1	—3·3	—3·7	—4·0	—4·1	—3·1	—1·8	+0·4	+1·6	+3·4	+5·2	**+6·0**	+5·9
Mean in °C.	23·8	23·7	23·5	23·2	23·2	23·0	**22·9**	23·5	24·2	25·0	26·1	27·1	28·1	**28·6**	28·5
Variation in °C.	—1·4	—1·5	—1·7	—1·8	—2·0	—2·2	**—2·3**	—1·7	—1·0	+0·2	+0·9	+1·9	+2·9	**+3·4**	+3·3

DECEMBER.

1	74·6	73·9	73·3	73·0	72·9	72·7	72·8	74·0	75·9	78·0	80·6	82·5	84·8	86·5	**87·7**
2	73·9	74·3	73·5	73·0	73·0	73·1	73·1	74·1	75·7	77·6	81·0	**82·8**	84·5	85·8	86·8
3	73·5	73·3	72·5	72·0	72·0	71·1	71·0	72·1	74·0	75·7	77·9	80·6	82·5	84·3	83·7
4	73·6	72·9	72·2	72·0	71·8	70·9	70·7	72·0	73·3	75·2	77·5	79·7	82 3	84·0	83·2
5	72·0	71·6	71·7	71·5	71·5	71·1	70·5	71·8	73·9	75·6	77·9	80·0	82·5	84·5	85·7
6	74·0	74·0	73·3	72·1	72·0	72·2	72·2	73·1	75·3	77·1	79 2	81·0	83·6	85·3	86·0
7	75·1	74·0	73·6	73·1	73·2	72·9	72·7	73·9	75·1	76·9	79·1	80·9	83·4	84·4	84·0
8	76·1	75·5	75·0	75·0	74·5	74·2	73·8	74·3	76·0	77·5	79·3	81·2	83·5	84·6	84·6
9	76·2	76·0	75·6	75·3	74·7	74·4	73·7	74·4	76·2	76·2	80·0	81·5	83·8	84·4	84·3
10	75·2	75·5	75·9	75·6	75·5	74·7	74·7	75·9	77·0	78·6	81·0	83·1	84·6	85·5	85·8
11	74·5	74·0	73·7	73·2	72·7	72·0	72·0	73·1	74·8	76·9	79·5	81·3	88·2	84·8	84·0
12	74·6	75·1	75·0	74·2	74·3	74·4	74·3	74·7	76·1	77·6	80·1	81·8	83·2	84·9	85·9
13	74·4	74·5	74.9	74·5	74·5	74·5	74·6	75·5	76·9	78·0	80·4	82·7	84·1	85·3	86·2
14	73·4	73·7	72·8	73·8	74·2	74·0	74·0	75·2	76·9	78·2	80·9	82·8	84·4	85·0	85·0
15	73·0	72 5	73·0	72·2	71·3	71·6	71·8	72·1'	73·6	75·7	77·7	79·8	81·5	83·2	83·5
16	73·4	73·9	72·8	73·0	72·3	72·0	71·8	72·0	72·5	73·9	76·0	78·0	79·8	81·3	82·7
17	73·9	73·6	73·0	72·3	72·0	71·7	71·2	72·0	73·9	75·1	76·8	79·0	81·0	82·2	82·5
18	73·6	73·5	73·2	72·9	72·3	71·8	71·7	72·8	73·9	74·0	76·0	78·3	79·7	80·1	80·6
19	72·6	72·2	71·5	70·6	70·6	70·8	71·0	72·0	73·0	74·5	76.8	79·2	80·3	80·7	80·9
20	74·1	74 1	73·0	72·3	71·7	72·3	72·0	72·5	74·2	75·3	76·5	78·4	79·7	80·3	81·0
21	73·3	73 1	72·8	72·7	72·0	71·3	71·1	72·6	74·5	75·8	77·5	79·7	82.1	83·1	83·2
22	74·8	74·2	73·6	73·7	73·9	73·5	73·6	73·7	74·9	76·8	78·9	80·1	82·4	83·6	83·6
23	75·5	75·2	74·7	74·0	73·5	73·0	72·7	73·2	74·3	75·7	78·0	79·7	81·0	81·8	81·9
24	73·6	63·9	63·5	73·0	72·3	72·0	72·2	72·9	74·4	76·2	78·0	79·6	82·4	83·0	82·7
25	73·7	73·0	63·2	72·8	73·2	73·1	72·7	73·6	74·9	76·7	79·0	80·7	82·7	84.0	84·3
26	73·3	74·1	75·0	75·2	75·3	74·9	74·3	74·9	76·1	77·7	79·5	81·0	82·0	82·6	83·1
27	75·3	75·0	74·6	74·6	74·0	73·0	71·4	72·1	74·9	76·2	77·0	78·5	80·0	80·4	81·3
28	73·1	72·5	72·0	72·2	72·3	71·2	71·0	72·3	73·9	75·1	76·8	78·7	79·4	80·0	79·9
29	72·9	71·7	70·5	70·4	70·0	70·0	69·5	70·7	72·7	73·8	76·2	78·6	81·4	81·8	81·3
30	72·5	71·1	70·5	71·6	71·7	71·0	70·0	71·0	73·3	74·5	76.3	78·0	79·8	80·0	80·7
31	72·2	71·3	70·6	70·0	69·4	69·0	**68·8**	70·2	72·8	74·1	76·5	78·5	79·3	79·9	80·6
Mean .	73·9	73·7	73·2	73·0	72·7	72·4	**72.2**	73·1	74·7	76·2	78·3	80·2	82·1	83·.	**83·4**
Variation .	—2·8	—3·0	—3·5	—3·7	—4·0	—4·3	**—4·5**	—3·6	—2·0	—0·5	+1·6	+3 5	+5·4	+6·4	**+6·?**
Mean in °C. .	23·2	23·2	22·9	22·8	22·6	22·4	**22·3**	22·8	23·7	24·6	25·7	26·7	27·8	28·4	**28·6**
Variation in °C.	—1·5	—1·6	—1·9	—2·0	—2·2	—2·4	**—2·5**	—2·0	—1·1	—0·2	+0·9	+1·9	+3·0	+3·6	**+3·8**

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (IN DEGREES FAHRENHEIT.)

Hours. (B. M. T.)									Mean.		Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	°F.	°C.	Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
73·7	72·6	72·0	73·0	74·0	74·0	74·0	73·0	71·5	76·1	24·5	0 40	80·0	23 58	71·0	1
74·5	74·0	73·5	73·0	73·0	72·5	72·3	72·2	72·1	**71·9**	**22·2**	14 45	74·8	6 10	**69·4**	2
76·4	76·5	76·3	75·4	76·5	76·5	76·5	76·5	76·4	74·8	23·8	21 30	76·6	0 30	72·0	3
80·6	79·5	78·5	77·8	77·5	77·1	76·9	76·5	76·4	77·9	25·5	12 46	81·7	3 30	75·4	4
81 2	79·9	78·9	78·0	77·6	77·5	77·2	76·9	76·5	77·8	25 4	13 35	81·5	6 20	75·0	5
80·8	79·6	78·5	77·6	77·5	77·4	77·4	76·8	76·2	77·8	25·4	13 0	81·9	5 0	74·9	6
83·7	81·8	79·8	79·0	78·7	78·0	77·4	76·5	76·5	**79·0**	**26·1**	13 38	86·6	6 40	75·2	7
82·0	80·8	79·4	78·4	77·9	77·2	76·7	75·5	76·1	77·9	25·5	14 21	86·1	6 30	72·7	8
81·9	80·5	78·7	77·8	76·8	75·7	75·0	74·5	74·8	76·5	24·7	13 58	82·7	4 40	71·0	9
80·6	79·2	77·7	76·8	76·2	75·6	75·2	74·7	74·0	75·8	24·3	14 14	81·9	6 20	71·5	10
80·2	78·9	77·5	76·4	76·0	75·5	74·8	74·4	74·5	75·5	24·2	14 25	80·7	6 5	72·1	11
80·6	79·2	77·9	77·5	77·3	77·0	76·5	75·9	75·5	76·1	24·5	14 5	81·6	7 55	72·6	12
82·7	81·2	79·9	79·1	79·0	78·1	76·9	76·6	77·0	77·3	25·2	12 50	84·5	6 30	70·8	13
83 6	81·6	79·7	78·6	78·5	77·9	76·5	75·7	76·4	78·3	25·7	13 5	85·6	5 45	73·6	14
82·9	81·6	80·0	79·0	78·5	78·1	76·8	76·7	76·6	78·1	25·6	13 0	84·0	5 50	73·5	15
82·7	81·5	79·8	78·6	78·3	77·4	76·3	75·6	76·5	78·2	25·7	12 45	83·7	6 25	73·5	16
83·7	82·0	80·2	79·1	78·5	78·3	77·2	76·2	75·1	78·3	25·7	13 58	87·5	6 20	71·5	17
86·7	82·9	80·9	79·9	79·5	78·6	78·0	76·5	75·1	78·9	26·1	14 55	88·5	5 30	73·6	18
86·7	84·5	82·0	80·1	79·1	78·0	77·2	76·5	74·6	78·7	25·9	14 52	88·2	6 10	73·1	19
86·9	84 0	81·0	79·4	79·0	78·1	77·4	75·9	75·0	78·3	25·7	15 15	87·7	6 5	72·5	20
85·8	83·1	80·3	78·6	78·1	77·9	76·9	75·5	74·8	78·0	25·6	15 20	86·3	5 30	73 3	21
83·4	81·5	80·0	79·0	77·2	76·5	76·0	75·3	74·6	77·8	25·4	13 7	84·8	2 30	73·2	22
84·4	82·5	80·2	78·5	78·0	77·0	76·4	75·9	75·0	77·4	25·2	14 30	84·7	6 30	72·4	23
83·7	81·9	79·9	79·0	78·4	78·0	76·9	76·0	74·9	77·7	25·4	13 8	86·4	2 10	72·6	24
84·4	82·3	80·3	79·2	78·8	78·3	77·3	75·8	75·3	78·2	25·7	13 29	88·2	5 32	72·4	25
83·0	81 6	80·0	78·8	78·5	77·7	76·5	75·8	74·7	77·5	25·3	12 26	85·5	5 57	72·2	26
83·5	81·5	80·5	79·6	79·0	78·2	76·8	75·0	74·7	78·0	25·6	12 45	86·5	6 30	72·8	27
83·2	80·9	79·6	78·7	78·4	77·7	76.7	75·0	74·1	77·7	25 4	13 32	86·6	6 30	72·6	28
84·5	81·9	79·8	78·8	78·2	77·4	76·0	76·2	75·7	77·9	25·5	14 10	87·5	6 46	72·4	29
85·3	81·9	79·8	78·4	77·9	76·8	75·7	76·0	75·4	77·9	25·5	14 45	**88·6**	6 30	72·1	30
82·4	80·7	79·1	78·1	77·7	77·1	76·4	75·6	75·2	77·4	25·2					Mean.
+5·0	+3·3	+1·7	+0 7	+0·3	—0·3	—1·0	—1·8	—2·2							Variation.
28·0	27·1	26 2	25·6	25·4	25·1	24·7	24·2	24·0							Mean in °C.
+2·8	+1·9	+1·0	+0·4	+0·2	—0·1	—0·5	—1·0	—1·2							Variation in °C.

DECEMBER.

86·8	83·0	80·2	78·7	78·0	77·2	76·0	75·0	74·9	78·0	25·6	15 10	**88·2**	6 15	72·4	1
86·1	82·0	79·7	78·4	77·6	77·0	76·1	74·1	74·3	77·8	25·4	15 4	87·4	6 12	72·7	2
83·0	80·7	78·9	77·8	77·0	75·6	74·6	73·9	73·1	76·3	24·6	13 50	84·8	6 45	70·7	3
82·5	80·2	78·1	76·7	76·1	75·5	74·6	72·8	72·3	75·8	24·3	13 30	84·3	5 46	70·4	4
85·0	82·1	79·7	78·3	77·5	76·8	76·0	75·0	74·4	76·5	24·7	14 35	86·3	6 3	70·3	5
85·5	83·1	80·4	78·9	78·3	77·5	76·7	75·6	74·9	77·6	25·3	14 25	86·4	3 30	71·9	6
83·5	82·0	80·0	78·7	78·2	77·7	77·3	76·4	76·8	77·6	25·3	14 2	84·7	6 18	72·3	7
84·5	83·0	80·9	79·2	78·7	78·1	77·1	76·0	75·7	78·3	25·7	14 7	85·0	6 45	73·6	8
84·3	83·3	81·3	79·8	79·0	78·4	77·9	77·0	76·0	**78·6**	**25·9**	14 35	84·7	6 40	73·4	9
83·7	81·1	79·6	78·7	78·0	77·0	76·0	74·7	74·8	78·4	25·8	14 27	86·5	6 40	74·4	10
82·6	81·0	79·2	78·0	77·1	76·4	75·1	74·5	74·3	77·0	25·0	14 15	86·0	6 30	71·7	11
83·9	81·0	79·1	78·0	77·2	76·2	75·2	74·3	74·8	77·7	25·4	14 45	86·1	6 32	73·9	12
86·4	84·7	80·9	79 4	78·2	76·9	75·7	75·0	74·7	78·5	25·8	14 55	86·7	1 30	74·0	13
83·3	80·9	79·2	78·0	77·4	77·4	77·0	75·4	74·1	77·8	25·4	14 15	85·8	2 25	72·3	14
82·0	80·5	78·6	77·3	76·5	75·8	75·0	74·5	73·6	76·1	24·5	14 21	83·7	5 0	71·0	15
82·6	81·0	78·7	77·1	76·6	75·7	75·0	74·3	74·1	75·9	24·4	14 37	83·2	6 57	71·6	16
82·1	81·0	78·7	77·1	76·1	75·3	75·5	74·1	73·5	76·0	24·4	14 5	83·0	6 40	71·0	17
80·7	79·7	78·1	77·3	76·9	76·3	75·8	74·6	73·6	75·7	24·3	15 30	81·1	6 10	71·2	18
80·6	79 6	78·0	77·0	76·6	75·9	74·8	74·5	74·8	75·4	24·1	14 2	81·2	3 40	70·4	19
80·6	79·3	77·9	76 5	76·3	75·9	75·3	75·0	73·9	75·8	24·3	14 30	81·4	4 45	71·5	20
81·1	80·0	78·7	77·9	77·5	77·1	76·5	75·3	74·6	76·4	24·7	14 10	84·9	6 15	70·8	21
82·4	80·9	79·2	77·8	76·9	76·4	76·3	76·1	76·3	77·2	25·1	13 17	83·9	5 50	73·3	22
81·5	80·5	79·0	78·0	77·4	76·5	75·6	74·8	73·6	76·7	24·8	13 47	82·5	7 5	72·5	23
81·9	80·8	79·2	78·1	77·8	76·7	75·1	74·4	74·5	76·6	24·8	13 5	83·7	5 58	71·4	24
83·6	82·0	80·2	78·6	77 8	77·4	77·0	75·8	74·1	77·3	25·2	13 40	84·5	3 36	72·4	25
83·0	81·5	79·5	77·7	77·0	76·1	75·6	75·7	75·5	77·5	25·3	14 45	83·5	0 45	73·0	26
80·9	79·6	77·7	76·8	76·5	76·2	75·5	74·1	73·3	76·2	24·6	14 25	81·6	7 5	70·9	27
79·7	78·6	77·1	76 4	76 2	76·0	75·2	73·8	73·0	75·3	24·1	13 40	80·5	6 5	70·9	28
80·5	79 6	77·8	76·8	76·4	76·0	75·6	74·5	73·5	75·1	23·9	13 0	82·6	6 35	69·4	29
80·1	78·9	77·3	76·5	76·2	76·0	75·2	73·9	72·6	74·9	23·8	14 25	81·0	6 50	69·8	30
80·4	79·0	77·3	76·2	75·9	75·6	74·8	72·8	71·8	**74·5**	**23·6**	14 32	81·1	6 54	**68·5**	31
82·7	81·0	79·0	77·8	77·2	76·5	75·8	74·8	74·2	76·7	24·8					Mean.
+6·0	+4·3	+2·3	+1·1	+0·5	—0·2	—0·9	—1·9	—2·5							Variation.
28·2	27·2	26·1	25·4	25·1	24 7	24·3	23·8	23·4							Mean in °C
+3·4	+2·4	+1·3	+0·6	+0·3	—0·1	—0·5	—1·0	—1·4							Variation in °C.

RELATIVE HUMIDITY, 1934.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JANUARY. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours (B. M. T.).												
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13
1	80	81	80	76	77	80	74	69	74	72	69	67	54
2	79	81	79	80	78	75	73	72	69	68	64	59	50
3	77	77	77	75	76	77	77	77	74	72	65	63	54
4	80	80	81	80	79	80	79	80	76	69	67	63	58
5	79	82	82	83	82	79	81	80	74	72	67	61	61
6	72	75	77	74	71	72	70	65	65	64	68	67	63
7	86	86	87	88	88	84	84	86	81	77	76	73	71
8	87	88	88	87	85	85	88	85	80	75	70	67	63
9	73	64	59	58	57	58	55	61	57	55	56	55	55
10	70	71	66	67	66	69	68	65	60	60	61	61	55
11	67	72	75	77	78	75	76	74	66	53	44	48	46
12	62	67	68	69	67	68	63	59	53	48	45	48	56
13	44	44	40	42	43	44	44	42	36	32	27	27	31
14	50	47	47	47	44	52	48	45	41	41	38	41	44
15	51	51	44	55	56	48	49	55	44	40	37	44	46
16	62	67	62	66	64	59	58	55	49	56	59	45	43
17	62	71	66	58	53	51	50	54	48	48	46	48	48
18	72	68	76	83	84	78	76	74	70	66	62	56	55
19	78	79	80	84	86	79	74	66	68	66	54	51	46
20	71	66	64	42	45	42	48	43	32	33	34	31	31
21	39	38	38	35	36	38	41	43	32	26	28	26	27
22	42	42	40	41	41	38	37	37	36	40	40	40	39
23	54	49	53	55	58	59	54	54	50	46	45	36	29
24	78	80	73	70	71	71	69	68	60	58	55	45	31
25	63	74	74	76	74	74	69	64	64	64	54	46	33
26	57	57	68	73	72	68	67	68	68	70	64	57	49
27	73	75	77	75	78	80	83	81	75	72	65	54	51
28	75	82	83	83	83	84	82	83	82	79	66	64	58
29	74	75	73	73	75	74	75	75	71	71	68	66	67
30	69	65	65	66	67	65	59	60	56	57	56	54	54
31	62	66	68	64	52	51	51	48	37	34	39	42	40
Mean	67·3	68·4	68·1	67·8	67·3	66·4	65·2	64·1	59·6	57·5	54·5	51·8	48·5
Mean Vapour Pressure in inches of Mercury.	·483	·482	·472	·463	·451	·438	·425	·423	·422	·437	·449	·456	·455

FEBRUARY.

1	68	56	46	41	40	39	42	41	41	44	37	33	25
2	61	71	73	74	66	62	65	65	61	55	48	41	32
3	69	70	66	60	60	64	64	66	60	61	59	54	56
4	71	73	66	66	61	61	65	64	63	60	59	52	53
5	81	83	83	79	69	60	59	55	52	55	39	34	36
6	55	73	74	78	76	73	73	76	69	54	34	40	45
7	83	83	79	77	77	74	74	69	65	62	59	41	32
8	79	78	77	79	77	76	74	73	65	61	57	41	44
9	80	84	84	81	81	79	74	72	65	56	47	44	44
10	78	83	79	84	85	79	65	66	67	64	49	35	25
11	80	76	75	77	74	77	77	72	63	62	59	50	48
12	86	86	89	90	88	84	79	76	72	71	75	78	79
13	88	88	88	88	88	89	88	88	85	82	81	79	77
14	88	89	90	90	90	90	90	89	87	84	83	79	74
15	90	90	90	90	91	91	91	90	89	86	81	80	76
16	84	87	88	88	90	90	90	90	90	90	86	84	78
17	90	90	89	90	90	90	90	90	87	85	84	80	73
18	89	88	91	90	89	90	90	88	79	73	66	56	49
19	80	79	72	66	69	66	62	66	72	62	54	53	56
20	64	68	78	79	73	65	59	43	43	55	51	55	59
21	85	83	80	81	83	83	83	79	67	63	55	63	67
22	79	81	78	73	64	56	62	61	64	63	62	61	55
23	76	78	76	76	77	76	77	73	71	67	59	56	58
24	78	80	82	82	84	85	86	84	81	78	75	71	71
25	85	87	88	89	89	90	90	88	88	84	77	73	70
26	82	84	87	88	88	88	88	87	83	79	75	74	74
27	83	85	84	80	78	77	78	78	77	73	67	60	63
28	85	85	84	85	86	87	87	86	80	76	71	69	66
Mean	79·2	80·6	79·9	79·3	78·0	76·5	75·8	74·1	70·9	68·0	62·5	58·4	56·6
Mean Vapour Pressure in inches of Mercury.	·635	·640	·626	·611	·589	·573	·566	·571	·586	·593	·592	·595	·607

RELATIVE HUMIDITY, 1934.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JANUARY.

(THE FIGURES REPRESENT PERCENTAGES.)

Hours (B.M.T.).											Mean.	Mean Vapour Pressure in inches of mercury.	Date.
13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
53	53	53	56	60	66	67	73	78	81	75	69·5	·596	1
53	51	51	55	62	67	72	77	76	75	71	68·2	·595	2
55	56	52	53	59	64	70	75	78	81	82	69·4	·607	3
50	47	59	56	63	68	71	75	77	77	74	70·4	·622	4
63	62	64	67	71	73	74	74	73	70	70	72·7	·647	5
63	66	68	72	76	77	79	79	79	83	84	72·0	·634	6
68	68	70	73	75	79	77	79	80	84	86	79·4	·714	7
60	58	60	67	68	67	62	62	61	64	69	72·7	·615	8
56	58	59	65	71	74	76	77	72	69	69	62·8	·535	9
59	60	62	63	70	73	73	73	72	69	65	65·7	·565	10
48	44	48	52	60	61	60	57	56	64	67	61·2	·509	11
53	54	56	55	59	58	59	56	55	53	48	57·2	·405	12
32	35	39	44	51	54	52	52	51	49	50	41·9	·254	13
43	44	44	50	55	57	59	57	58	55	55	48·4	·327	14
46	49	51	56	60	63	66	70	68	68	67	53·5	·386	15
44	49	55	56	63	69	73	72	68	67	62	59·3	·421	16
50	52	56	60	60	64	67	66	67	65	73	57·6	·426	17
56	59	59	66	72	78	78	74	80	82	80	71·0	·532	18
51	51	50	49	54	55	58	65	63	63	73	64·3	·477	19
33	37	42	45	47	49	47	54	51	49	42	44·9	·312	20
33	41	45	50	51	54	53	52	52	48	46	40·5	·258	21
44	49	53	55	61	60	64	65	62	71	75	48·8	·326	22
25	45	56	61	65	66	67	71	74	69	74	54·8	·416	23
26	31	42	59	67	70	73	74	68	66	61	61·1	·497	24
43	52	60	65	71	71	73	69	58	63	60	63·1	·501	25
45	46	52	68	74	78	75	70	72	72	72	65·1	·575	26
57	57	61	72	78	79	77	73	70	69	70	70·9	·661	27
58	60	57	58	67	68	70	71	68	73	74	72·0	·605	28
66	63	65	66	66	65	66	66	63	63	66	68·8	·526	29
54	54	54	55	60	65	66	68	68	63	56	60·7	·391	30
40	40	43	50	54	55	59	62	60	61	71	52·0	·325	31
49·3	51·3	54·4	58·7	63·5	66·0	67·2	68·0	67·0	67·3	67·3	61·9	·492	Mean.
·475	·494	·514	·529	·539	·540	·539	·533	·511	·498	·486	·480		Mean Vapour Pressure in inches of mercury.

FEBRUARY.

38	48	55	58	61	65	67	64	64	62	60	49·8	·382	1
32	36	50	62	69	74	70	53	57	56	58	58·0	·470	2
57	62	63	62	65	68	69	69	59	61	68	63.0	·526	3
54	61	60	67	74	76	76	78	74	71	75	65·8	·563	4
36	38	44	54	51	50	46	44	45	45	44	53·4	·499	5
39	43	50	55	56	55	67	68	72	76	79	61·7	·569	6
48	55	59	63	66	73	68	65	65	52	54	64·3	·580	7
42	46	50	57	63	66	64	66	67	58	66	63·6	·564	8
53	56	60	63	64	68	63	65	68	64	61	65·7	·581	9
20	41	59	67	73	72	67	68	74	78	80	64·7	·603	10
50	51	57	62	65	72	77	77	79	84	85	68·7	·619	11
77	76	77	76	80	84	84	86	85	86	86	81·3	·740	12
74	70	72	72	78	82	83	84	86	86	87	82.6	·732	13
72	70	76	77	81	82	83	86	88	88	90	84·0	·711	14
75	74	74	74	78	80	82	79	78	78	81	82·8	·734	15
74	73	73	74	76	80	82	84	86	89	89	84·0	·757	16
69	70	70	74	80	84	86	88	89	89	90	84·0	·742	17
55	59	60	65	77	79	75	78	79	83	81	76·2	·699	18
61	62	61	61	64	67	69	71	73	57	60	65·1	·601	19
62	63	65	68	71	66	69	74	75	76	79	65·0	·614	20
65	65	66	67	71	74	74	75	75	76	78	73·3	·676	21
50	48	55	56	57	63	66	73	73	74	76	64·6	·569	22
53	52	54	57	63	70	70	72	73	74	77	68.1	·578	23
66	64	65	70	74	78	79	81	81	83	83	77·5	·669	24
69	66	65	67	72	77	79	81	83	84	83	80·2	·697	25
74	76	72	71	72	72	71	75	74	79	81	78·9	·711	26
67	65	64	68	73	77	79	81	81	82	83	75·1	·666	27
61	60	62	63	70	71	71	72	74	76	78	75·2	·634	28
56·9	58·9	62·1	65·	69·4	72·3	72·7	73·5	74·2	73·6	75·4	70·6	·625	Mean.
·623	·640	·662	·670	·669	·661	·649	·643	·637	·617	·619	.620		Mean Vapour Pressure in inches of mercury.

RELATIVE HUMIDITY, 1934.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MARCH. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours (B. M. T.).												
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13
1	80	80	80	82	82	85	83	84	82	76	73	70	70
2	83	83	83	81	76	70	70	67	64	54	53	54	53
3	71	72	69	70	76	79	77	75	62	52	51	52	54
4	74	73	80	83	80	78	75	70	65	57	51	49	50
5	71	73	76	73	75	76	78	77	72	62	51	53	61
6	74	75	78	79	80	81	81	81	76	71	63	61	59
7	76	75	75	74	76	74	72	74	68	59	49	47	44
8	57	57	59	58	59	60	63	64	59	58	51	47	41
9	75	75	75	74	74	69	71	76	74	66	61	61	60
†10	78	79	78	81	83	83	83	72	64	61	59	60	59
†11	..	..	..	..	..	..	..	80	75	70	..	..	66
12	86	86	87	88	88	88	88	86	80	73	70	66	65
13	84	85	83	85	88	88	88	88	83	80	74	67	65
14	81	80	80	80	80	79	75	74	63	58	49	47	45
15	46	50	48	57	55	44	34	32	40	46	34	24	37
16	79	77	72	63	65	65	62	55	55	49	41	40	54
17	84	87	87	87	88	86	86	81	81	80	79	79	77
18	86	87	88	89	90	90	89	88	84	82	77	73	69
19	89	88	89	90	88	87	84	80	74	73	65	64	62
20	84	80	78	78	82	81	81	74	65	64	68	63	68
21	80	84	83	84	85	85	87	84	81	78	75	43	71
22	82	82	83	83	82	82	82	79	75	73	71	71	70
23	83	83	82	83	84	84	84	82	76	77	77	74	72
24	80	82	82	82	83	84	84	82	77	75	68	65	64
25	73	75	68	67	72	74	78	76	70	61	59	59	61
26	73	74	77	77	79	82	81	77	61	54	56	53	52
27	80	80	80	82	83	83	83	79	75	72	71	71	68
28	85	85	87	84	77	74	79	73	68	63	62	65	65
29	84	85	84	85	87	86	85	82	77	74	77	75	73
30	89	90	90	91	91	92	92	90	87	83	80	78	75
31	89	89	89	89	92	86	89	86	81	79	75	76	76
Mean .	78·6	79·0	79·0	79·2	79·9	79·0	78·7	76·4	71·6	67·2	63·1	61·3	61·4
Mean Vapour Pressure in inches of mercury.	·704	·698	·689	·682	·681	·666	·662	·671	·678	·673	·673	·677	·694

APRIL.

1	89	88	85	88	89	90	87	84	79	77	75	74	72
2	84	83	86	86	86	87	85	84	79	77	75	72	66
3	78	81	83	83	81	83	79	78	74	73	71	68	68
4	84	84	84	85	85	86	84	80	77	77	75	72	70
5	83	82	80	81	82	82	83	82	78	71	70	68	68
6	80	80	80	80	82	82	83	80	78	73	71	70	66
7	83	83	84	85	86	86	87	85	81	77	72	72	71
8	83	84	83	83	85	85	86	83	77	4	70	64	58
9	81	79	83	83	83	85	85	83	78	74	72	70	69
10	79	79	80	78	77	74	77	76	74	71	71	69	66
11	82	83	80	81	80	80	80	78	76	73	71	70	70
12	77	79	80	81	80	82	82	82	78	75	71	67	66
13	81	81	81	82	84	85	84	80	78	70	68	69	64
14	79	81	82	83	84	84	83	82	74	69	59	61	60
15	77	75	77	77	78	78	80	77	75	70	70	67	67
16	79	80	79	81	83	84	83	81	74	72	69	65	68
17	77	76	75	77	79	80	80	79	73	70	70	68	66
18	77	78	78	77	78	75	77	73	69	64	60	58	56
19	72	71	71	73	74	75	75	73	69	65	62	61	59
20	75	76	77	77	77	77	75	75	71	67	65	64	62
21	74	75	78	78	80	78	75	74	68	64	63	62	60
22	78	78	78	77	78	79	79	77	71	65	63	63	61
23	76	76	74	74	74	76	76	74	69	65	61	59	58
24	78	78	78	76	78	80	80	77	71	66	64	62	62
25	78	79	77	78	76	77	78	76	69	63	61	64	64
26	82	83	84	85	84	81	79	75	71	68	67	66	65
27	71	72	73	75	76	73	67	62	59	58	57	56	60
28	81	81	78	80	82	81	80	76	69	62	61	59	49
29	74	76	78	80	82	82	78	76	72	70	69	67	64
30	74	75	78	77	76	74	72	69	66	63	59	58	56
Mean .	78·9	79·2	79·5	80·0	80·6	80·7	80·0	77·7	73·2	69·4	67·1	65·5	63·7
Mean Vapour Pressure in inches of mercury.	·830	·828	·823	·820	·816	·814	·818	·828	·830	·829	·830	·831	·824

† Loss of record; the days have been omitted for means.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MARCH. (THE FIGURES REPRESENT PERCENTAGES.)

Hours (B. M. T.).											Mean.	Mean Vapour Pressure in inches of mercury.	Date.
13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
68	70	71	72	73	74	71	73	76	79	80	76·4	·659	1
53	52	50	52	51	55	57	51	49	48	49	60·7	·577	2
57	56	56	55	52	58	56	61	74	75	75	64·0	·612	3
53	53	54	58	60	61	65	64	65	67	68	64·7	·580	4
62	62	61	64	63	67	70	72	73	74	75	68·4	·599	5
56	53	49	49	51	56	60	64	70	72	74	67·2	·588	6
44	43	43	44	46	49	50	50	53	59	58	58·4	·509	7
48	48	50	50	55	59	62	65	68	70	73	57·5	·493	8
57	62	63	58	61	66	68	69	71	69	70	67.7	·592	9
63	67	..	..	..	..	..	..	..	81	81	..	..	10†
66	65	67	70	73	77	81	84	84	84	85	..	..	11†
64	67	70	72	73	77	78	79	81	81	82	78·1	·704	12
64	64	64	63	68	72	73	72	74	77	81	76·2	·680	13
46	46	45	45	45	48	50	38	41	34	37	56·9	·525	14
47	53	55	53	54	57	60	69	73	72	77	**50·7**	**·490**	15
60	61	68	68	72	73	78	81	82	84	84	66·2	·690	16
76	75	76	79	81	84	85	84	85	86	86	82·5	·819	17
71	72	71	71	75	79	78	79	82	86	89	81.0	·817	18
59	55	53	59	58	74	78	78	79	84	86	74·8	·782	19
65	59	60	62	65	70	72	75	77	79	77	72·0	·738	20
70	69	69	71	71	74	76	78	80	82	82	78.0	·799	21
68	67	68	71	72	76	76	80	79	82	82	76.5	·797	22
71	63	61	61	58	60	70	70	70	75	78	74·1	·772	23
62	56	61	63	64	64	62	64	66	71	74	71·5	·750	24
59	61	63	63	65	67	68	70	74	73	**73**	67·9	·724	25
52	50	49	54	60	58	59	64	69	72	77	65·0	·662	26
70	71	73	74	77	79	81	82	83	81	81	77·5	·759	27
69	70	69	68	69	71	74	76	82	87	85	74·5	·784	28
71	71	73	76	79	83	84	84	84	85	86	80·4	·841	29
73	73	76	77	82	83	85	87	87	88	89	**84.5**	·889	30
74	75	76	76	79	83	85	86	87	88	88	83·0	**·894**	31
61·7	61·3	62·0	63·0	64·8	68·2	70·0	71·2	73·6	75·2	76·4	70·9	·694	Mean.
·701	·698	·696	·687	·680	·681	·686	·684	·695	·696	·698	·685		Mean Vapour Pressure in inches of mercury.

APRIL.

71	71	72	69	75	79	81	81	84	83	82	**80·2**	·864	1
63	62	62	62	66	71	73	76	78	78	**77**	75·7	·815	2
70	65	60	62	68	75	76	79	78	80	84	74·9	·825	3
68	69	69	71	74	78	79	81	81	81	81	78.1	·843	4
68	69	71	72	75	78	80	81	81	80	80	76·9	·839	5
65	66	68	70	73	76	78	80	81	81	81	76·0	·829	6
68	69	69	72	77	80	80	82	82	82	83	79·0	**·813**	7
61	64	65	69	73	77	79	82	83	84	83	76·5	·864	8
69	70	70	71	73	78	79	79	80	79	80	77·2	·881	9
67	68	69	72	77	81	80	81	82	83	82	75·5	·873	10
67	68	72	75	76	77	78	79	79	79	77	**76·3**	·885	11
65	64	63	63	61	59	60	66	70	73	80	71·8	·830	12
62	61	62	60	59	65	71	77	78	80	80	73·4	·824	13
60	62	63	68	72	77	78	81	83	79	76	74·2	·825	14
66	66	66	68	71	75	77	77	76	77	78	73·5	·858	15
67	68	69	69	71	75	77	78	76	77	77	75·1	·860	16
65	64	67	68	71	73	73	74	75	77	77	73·1	·845	17
54	48	46	**43**	50	59	59	65	67	69	72	**64·7**	**·741**	18
60	60	62	63	68	**71**	71	73	73	73	75	68.7	·791	19
63	64	64	67	70	72	76	75	76	75	75	71·5	·8·9	20
60	59	59	61	64	68	70	72	71	73	**76**	69·3	·791	21
61	60	62	63	66	69	70	72	73	77	77	70·7	·810	22
59	58	61	64	67	70	73	75	77	77	77	69·6	·789	23
62	62	62	64	70	73	75	77	76	77	78	71·9	·812	24
64	65	65	67	74	77	80	80	80	81	79	73·0	·833	25
67	67	66	67	69	72	73	74	75	79	76	74·0	·869	26
60	56	58	59	64	70	72	73	75	80	82	67·0	·800	27
44	44	44	50	56	62	64	68	67	65	71	65·6	·781	28
60	57	57	62	66	69	71	73	75	75	75	71·2	·820	29
54	54	51	56	61	66	69	71	72	73	73	66·5	·761	30
63·0	**62·7**	63·1	64·9	68·6	72·4	74·1	76·1	76·8	77·6	78·1	73·0	·829	Mean.
·821	·818	·816	·818	·824	·826	·829	**·838**	·835	·836	·833	·826		Mean Vapour Pressure in inches of mercury.

†Loss of record, the days have been omitted for means.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

MAY. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours. (B.M.T.)												
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13
1	74	74	75	76	76	77	78	76	70	70	64	63	62
2	85	84	84	84	84	84	83	81	75	73	70	69	69
3	79	82	84	85	83	84	85	82	75	76	74	72	71
4	85	85	85	84	84	83	81	78	74	71	68	67	65
5	77	77	78	78	79	81	81	79	75	68	66	66	64
6	79	79	79	79	79	80	79	79	75	72	67	65	64
7	81	78	80	80	79	78	77	74	68	65	64	63	62
8	83	83	82	80	80	80	78	75	74	71	68	63	62
9	80	82	81	81	82	83	82	78	69	64	61	61	59
10	76	79	78	78	76	75	73	66	64	63	62	61	60
11	74	73	74	75	75	77	76	74	69	68	66	64	64
12	78	79	77	75	77	78	80	78	73	71	67	63	64
13	83	84	85	84	85	85	83	81	76	76	71	68	68
14	85	85	85	87	84	83	82	79	77	74	72	69	68
15	79	79	79	81	79	80	78	76	73	70	67	66	64
16	77	76	78	79	80	80	79	77	70	69	67	64	63
17	79	80	80	81	82	82	81	77	74	70	67	66	65
18	77	77	77	77	78	80	77	73	71	68	65	65	63
19	73	74	75	75	75	77	74	71	68	66	65	63	62
20	75	76	76	76	77	78	76	71	70	67	65	63	62
21	72	73	74	75	74	76	74	70	68	65	62	61	62
22	75	76	76	76	77	77	75	73	69	66	65	64	63
23	76	76	77	77	77	77	75	70	66	62	61	61	60
24	78	76	76	76	75	74	75	73	70	67	64	62	61
25	81	81	80	80	80	81	78	75	71	69	66	64	63
26	75	75	76	76	77	76	75	73	70	72	72	72	70
27	74	75	75	77	77	78	75	74	70	67	64	61	61
28	71	72	72	72	72	72	70	69	67	64	61	60	61
29	74	73	73	74	74	75	72	69	65	64	61	60	59
30	68	69	71	71	69	71	71	74	68	66	62	60	58
31	80	79	77	77	79	77	73	69	63	62	61	60	58
Mean .	77·5	77·8	78·0	78·3	78·2	78·7	77·3	74·6	70·5	68·3	65·6	64·1	63·1
Mean Vapour Pressure in inches of mercury.	·862	·857	·851	·849	·842	·842	·849	·851	·847	·853	·851	·853	·858

JUNE.

1	71	71	70	69	73	75	74	71	67	64	63	63	65
2	80	80	81	81	80	80	77	74	69	68	64	63	62
3	76	77	77	78	78	79	76	74	71	69	66	64	63
4	75	75	75	75	75	75	73	70	67	65	64	62	61
5	78	76	77	77	78	79	78	76	73	70	69	67	66
6	73	72	74	75	75	75	73	72	68	66	64	65	62
7	80	79	80	80	81	83	77	76	74	72	66	66	65
8	79	79	77	77	80	89	88	87	84	75	75	77	74
9	73	75	74	76	79	80	80	79	77	74	72	72	68
10	83	86	91	92	91	92	86	88	88	87	84	81	77
11	81	79	83	82	83	84	83	81	86	85	82	81	78
12	83	83	84	85	88	88	86	83	81	79	77	75	74
13	89	89	89	89	87	87	87	87	83	80	78	77	74
14	88	90	91	90	88	88	89	87	85	83	83	82	84
15	89	88	88	87	87	86	88	91	88	84	83	81	80
16	90	90	91	90	89	88	87	87	87	88	85	88	90
17	92	91	92	93	92	94	93	93	92	92	93	91	93
18	87	87	89	91	91	89	88	90	86	84	85	85	89
19	87	85	85	89	89	87	87	83	84	84	81	86	83
20	89	88	89	89	91	92	91	92	89	90	89	88	88
21	90	89	90	90	90	91	92	93	91	93	92	93	92
22	89	92	91	91	90	92	92	91	92	91	91	92	92
23	88	90	89	89	89	90	87	89	88	89	85	84	83
24	85	87	87	87	85	85	85	85	84	82	81	80	80
25	85	86	84	83	84	83	82	85	83	81	81	81	81
26	83	84	84	84	84	87	83	83	84	83	81	85	82
27	90	89	90	90	91	91	90	92	89	92	89	86	87
28	86	85	85	86	85	86	85	85	85	85	85	85	84
29	90	87	86	87	88	87	88	87	87	84	81	82	82
30	85	83	85	87	84	85	85	83	81	83	87	84	83
Mean .	83·8	83·7	84·3	84·6	84·8	85·6	84·3	83·8	82·1	80·7	79·2	78·9	78·1
Mean Vapour Pressure in inches of mercury.	·923	·913	·916	·911	·910	·912	·905	·920	·925	·933	·936	·942	·947

(Averages for periods of sixty minutes from full hour to full hour of local mean time,)

MAY. (THE FIGURES REPRESENT PERCENTAGES.)

Hours (B.M.T.)											Mean.	Mean Vapour Pressure in inches of mercury.	Date.
13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
62	63	64	68	71	76	77	80	81	83	83	72·5	·819	1
70	70	69	70	74	75	77	81	83	81	79	77·3	·880	2
70	70	69	71	74	77	79	82	83	83	84	78·1	·903	3
65	65	66	68	70	74	75	76	77	77	77	75·0	·870	4
64	65	66	69	72	74	75	79	79	81	81	73·8	·853	5
64	66	66	68	72	78	81	80	80	81	81	74·7	·867	6
62	63	65	68	73	77	79	80	81	82	83	73·4	·840	7
63	62	63	64	67	72	74	75	76	77	79	73·0	·858	8
56	56	56	59	61	68	69	73	74	75	75	70·2	·822	9
59	58	59	56	61	63	66	68	70	70	72	67·1	·778	10
62	62	61	62	65	69	70	73	76	77	77	70·1	·800	11
64	64	63	66	71	77	79	81	82	83	82	73·8	·856	12
68	68	68	71	73	77	78	80	82	83	83	77·5	·914	13
66	67	67	68	71	75	77	78	79	80	80	76·6	·932	14
63	64	64	68	71	76	76	77	78	79	78	73.5	·900	15
63	62	64	67	70	74	76	77	77	78	78	72·7	·891	16
63	61	61	63	66	68	70	71	73	75	77	72.2	·870	17
62	61	61	63	65	68	70	71	71	72	73	70·2	·852	18
61	61	62	64	66	69	71	74	74	74	74	69·5	·851	19
62	62	63	63	66	67	71	72	72	73	73	69·8	·852	20
63	63	64	67	71	74	76	75	75	74	74	70·1	·870	21
63	63	64	67	70	73	75	76	76	75	76	71·3	·873	22
61	61	62	64	68	72	74	75	76	77	78	70·1	·850	23
61	61	63	66	70	74	77	78	80	81	81	71·6	·874	24
63	63	63	63	67	70	72	74	74	75	75	72·0	·899	25
64	64	65	65	67	69	70	71	72	72	73	71·3	·888	26
60	60	61	63	65	68	69	71	71	72	72	69·2	·875	27
61	60	62	63	66	69	70	71	71	71	72	67·5	·859	28
58	58	58	61	62	63	65	66	68	69	68	66.2	·837	29
57	58	60	63	65	69	72	74	72	77	79	67·7	·843	30
58	60	60	60	65	68	69	70	70	72	71	68.3	·856	31
62·5	62·6	63·2	65·1	68·2	71·7	73·5	75·1	75·9	76·7	77·0	71·8	·862	Mean.
·861	·862	·865	·866	·868	·867	·869	·873	·874	·873	·870	·859		Mean Vapour Pressure in inches of mercury.

JUNE.

66	65	65	66	70	75	77	79	80	79	80	70·7	·875	1
61	61	63	67	7	76	77	77	78	79	79	72·8	·885	2
62	63	63	64	67	70	72	74	75	75	75	71·2	·875	3
60	61	62	64	67	70	71	76	78	77	78	69·8	·875	4
64	63	64	65	67	70	73	73	73	74	72	71·7	·910	5
63	62	61	62	66	69	71	73	72	76	80	69·5	·896	6
65	62	64	65	69	71	74	76	75	76	77	73·0	·944	7
73	72	70	70	71	66	68	68	70	70	71	75·4	·900	8
63	62	63	69	72	72	74	75	77	79	81	73.6	·913	9
72	69	69	69	70	74	75	77	80	82	84	81·1	·890	10
77	77	76	76	76	77	77	79	78	79	81	80·0	·907	11
71	71	71	72	74	85	91	87	85	87	88	81.2	·948	12
73	73	80	91	87	88	86	88	87	85	85	84·1	·926	13
86	89	88	88	88	89	89	88	87	86	86	87.2	·933	14
80	84	91	89	87	87	91	91	89	88	87	86·8	·944	15
91	93	92	93	90	89	90	92	93	91	90	89·7	·926	16
93	93	91	91	92	90	89	89	89	87	87	91·3	·921	17
88	82	81	83	83	85	85	85	85	90	89	86·5	·959	18
82	83	82	85	85	88	86	85	87	88	89	85·4	·944	19
85	88	90	89	90	93	92	90	89	89	89	89·5	·951	20
92	91	90	90	89	90	91	90	90	91	90	90·8	·937	21
91	91	93	93	93	95	93	92	91	91	91	91.7	·895	22
81	83	81	82	83	85	85	85	86	85	85	85·9	·968	23
80	87	84	83	83	87	85	89	87	85	85	84·5	·952	24
81	81	81	80	81	81	83	83	83	84	84	82·5	·957	25
80	88	89	89	85	86	88	89	92	89	86	85·3	·937	26
89	89	89	90	87	87	89	86	86	86	85	88·7	·933	27
89	84	89	87	87	88	88	89	87	89	90	86·4	·933	28
81	81	83	80	81	85	85	84	83	83	84	84·4	·927	29
84	80	79	83	87	86	86	85	84	84	87	84·2	·921	30
77·4	77·6	78·1	79·2	79·9	81·8	82·7	83·1	83·2	83·5	83·8	81·8	·923	Mean.
·951	·938	·938	·934	·924	·924	·920	·922	·923	·926	·926	·926		Mean Vapour Pressure in inches of mercury.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

JULY. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours (B.M.T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	85	84	85	85	85	85	86	88	89	90	87	83	82	83
2	86	85	84	85	86	85	84	84	84	85	86	85	85	83
3	86	86	85	84	83	85	85	84	85	87	90	91	90	90
4	86	80	85	84	87	87	84	85	85	83	84	81	79	80
5	87	88	87	86	86	85	87	86	85	81	82	84	82	80
6	86	85	82	86	87	87	83	83	82	79	79	78	78	76
7	85	85	85	84	83	83	84	84	87	86	86	86	80	79
8	83	84	85	84	85	85	84	83	82	84	83	80	81	78
9	86	87	84	85	85	87	86	86	84	83	86	84	82	81
10	83	83	87	86	85	85	85	87	84	82	82	81	80	78
11	84	83	86	85	87	85	86	84	86	83	85	83	87	90
12	84	85	85	84	83	84	84	82	83	83	82	86	83	79
13	85	85	85	85	87	87	86	85	84	82	81	81	79	80
14	84	83	83	84	84	80	84	86	83	84	83	82	77	79
15	87	80	85	87	87	87	86	91	90	87	84	86	81	83
16	85	85	86	86	85	85	86	83	81	81	79	78	78	77
17	84	83	84	84	84	84	83	83	85	81	80	78	77	75
18	84	84	83	84	84	84	83	82	76	72	80	80	77	77
19	89	89	90	88	84	91	92	89	87	83	82	79	81	77
20	82	87	90	90	91	91	92	92	93	92	93	91	85	82
21	85	84	84	85	84	84	85	84	85	85	81	81	80	80
22	86	85	85	84	85	84	84	83	82	81	78	81	81	83
23	87	86	86	85	86	83	85	84	81	81	79	79	78	76
24	85	83	84	84	85	84	86	85	83	83	80	78	77	76
25	83	83	82	83	83	84	85	83	81	79	78	77	76	76
26	85	85	85	85	84	85	85	88	89	89	91	90	89	87
27	82	82	83	83	85	85	85	84	85	86	88	91	91	95
28	94	94	95	95	93	93	93	93	94	93	93	94	92	88
29	93	93	93	92	93	93	93	93	92	91	89	89	89	89
30	92	91	91	90	90	92	92	91	92	93	93	92	93	93
31	91	94	94	94	93	93	93	93	93	93	92	92	92	94
Mean . .	85·9	85·5	86·1	86·0	86·1	86·2	86·3	86·1	85·5	84·6	84·4	83·9	82·6	82·0
Mean Vapour Pressure in inches of mercury.	·898	·888	·891	·890	·889	·887	·891	·897	·903	·908	·912	·918	·922	·918

AUGUST.

1	94	94	94	93	92	92	93	92	94	93	91	92	92	91
2	93	93	93	93	94	92	93	95	93	93	93	93	93	91
3	92	91	91	93	91	91	92	93	91	90	88	88	87	90
4	90	91	91	93	92	91	91	94	89	87	86	85	85	87
5	86	89	89	87	86	86	87	89	90	89	87	85	85	87
6	88	87	87	87	88	89	89	89	89	87	85	85	85	83
7	87	87	87	87	88	89	90	89	89	87	84	83	81	80
8	86	86	89	91	91	87	91	89	87	89	85	85	85	83
9	89	90	90	88	88	88	87	87	87	86	84	81	81	82
10	89	87	87	87	88	89	89	90	88	87	87	89	87	83
11	85	87	87	84	84	86	86	85	89	86	85	82	86	83
12	88	89	87	88	88	88	89	89	89	87	88	85	85	84
13	92	92	93	92	88	89	88	88	87	86	83	82	81	82
14	89	89	88	89	89	89	89	91	87	87	90	91	88	86
15	90	91	90	90	90	90	91	92	90	88	88	88	90	90
16	91	91	91	93	92	93	93	92	92	90	87	88	91	92
17	87	87	88	89	89	89	89	89	89	87	87	87	90	89
18	90	90	87	85	84	88	86	88	87	85	84	84	83	83
19	84	86	88	86	88	84	85	84	84	83	82	82	81	83
20	88	88	87	87	87	87	87	86	85	85	88	89	84	82
21	86	86	87	85	86	86	87	87	87	85	85	82	81	83
22	86	85	85	85	85	81	82	84	82	84	82	82	81	86
23	86	86	87	87	84	85	85	83	85	84	83	81	81	80
24	84	84	87	87	84	87	87	86	85	83	82	81	81	79
25	89	87	87	87	86	86	88	87	84	84	87	85	81	77
26	86	86	84	84	84	86	86	85	83	81	81	82	79	79
27	83	85	86	87	86	86	85	83	80	79	79	76	76	82
28	84	84	84	83	84	85	84	83	83	80	79	81	81	79
29	84	84	84	84	85	85	85	86	81	81	78	77	77	85
30	89	89	88	86	88	90	90	89	85	89	87	86	83	82
31	92	82	82	82	80	82	82	80	78	79	78	76	71	72
Mean . .	87·6	87·8	87·9	87·7	87·4	87·6	87·9	87·9	86·7	85·8	84·9	84·3	83·6	83·7
Mean Vapour Pressure in inches of mercury.	·872	·871	·867	·865	·862	·864	·867	·875	·883	·891	·899	·905	·903	·904

(Averages for periods of sixty minutes from full hour to full of hour local mean time.)

JULY. (THE FIGURES REPRESENT PERCENTAGES.)

Hours (B.M.T.)										Mean.	Mean Vapour Pressure in inches of mercury.	Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
											"	
82	82	82	82	83	83	83	83	85	85	84·5	·928	1
80	77	80	83	84	83	85	86	86	86	84·0	·913	2
87	86	84	86	83	84	84	84	84	84	85·7	·902	3
79	81	84	87	86	83	83	83	83	84	83·5	·896	4
79	79	79	83	84	83	83	84	84	85	83·7	·919	5
76	76	80	82	82	82	82	83	83	85	81·7	·906	6
79	80	83	83	83	83	83	83	83	83	83·3	·914	7
77	78	80	81	84	86	85	84	83	83	82·6	·919	8
81	81	82	81	81	80	81	80	81	81	83·1	·909	9
83	82	81	82	86	86	85	85	85	85	83·7	·913	10
86	83	84	90	86	84	84	85	84	84	85·2	·905	11
81	82	84	87	83	82	83	83	84	83	83·3	·903	12
78	80	81	81	82	81	82	83	85	84	82·9	·919	13
79	83	87	87	88	87	86	85	85	84	83·6	·903	14
81	79	79	80	82	83	82	83	89	86	84·4	·906	15
78	79	78	79	81	82	83	83	83	83	81·8	·910	16
75	75	79	85	84	86	87	85	83	83	82·0	·892	17
79	83	81	80	80	85	86	85	89	88	81·9	·882	18
75	78	79	79	82	87	84	82	84	89	83·8	·873	19
82	80	82	82	81	82	82	84	83	85	86·4	·889	20
81	82	82	81	80	82	83	83	89	86	83·2	·905	21
80	79	79	81	81	83	85	85	85	87	82·8	·906	22
75	74	74	76	78	79	81	82	82	83	80·8	·899	23
77	77	75	75	82	81	80	81	82	82	81·0	·895	24
74	77	81	81	82	83	83	83	83	83	80·9	·903	25
87	82	81	82	83	84	83	83	85	83	85·4	·915	26
94	95	95	95	94	93	95	95	94	95	89·6	·898	27
88	88	90	91	92	90	89	92	93	93	92 1	·893	28
89	87	89	90	90	93	92	94	94	93	91·4	·860	29
93	93	93	93	94	93	95	93	90	89	92·1	·856	30
92	91	92	91	93	90	92	93	93	93	92·5	·834	31
81·5	81·6	82·6	83·7	84·3	84·6	84·9	85·1	85·7	85·4	84·6	·899	Mean.
·912	·907	·901	·895	·893	·890	·891	·893	·896	·893	·899		Mean Vapour Pressure in inches of mercury.

AUGUST.

93	92	92	93	92	93	92	93	93	93	92·6	·838	1
91	93	93	94	93	93	94	94	94	93	93·0	·878	2
93	91	90	89	89	89	89	91	91	91	90·5	·904	3
86	86	85	85	87	87	88	88	86	87	88·2	·910	4
87	89	88	87	87	87	88	87	87	87	87 3	·895	5
83	82	83	83	84	86	86	87	87	87	86·1	·909	6
79	82	81	83	83	83	84	85	86	86	85·0	·900	7
89	91	90	91	91	89	89	88	88	89	88·3	·894	8
83	81	84	83	87	88	87	89	88	85	86·0	·893	9
82	86	86	86	89	87	87	88	90	90	87·4	·893	10
80	80	80	81	82	83	87	87	85	85	84·4	·854	11
82	83	85	85	86	89	89	88	90	89	87·1	·905	12
82	82	81	81	81	84	86	85	88	87	85·8	·903	13
85	85	89	88	87	86	87	86	87	87	87·9	·904	14
92	91	93	91	93	93	91	91	91	91	90·6	·908	15
90	88	87	86	86	87	86	85	85	87	89·3	·889	16
87	85	86	89	89	89	89	89	88	89	88·2	·893	17
82	83	85	85	86	87	87	89	87	87	85·9	·875	18
84	82	83	84	88	87	88	89	87	89	85·0	·866	19
84	81	82	84	85	85	85	86	86	85	85·5	·888	20
81	83	83	85	85	83	86	86	85	86	84·8	·881	21
83	82	83	86	90	88	87	88	87	88	84·7	·871	22
79	80	83	84	87	85	84	84	84	84	83·8	·862	23
81	81	80	84	88	89	88	91	91	89	85·0	·877	24
79	82	79	85	84	84	84	85	87	87	84·6	·876	25
79	79	85	84	84	84	83	84	84	85	83·2	·864	26
81	78	80	85	79	71	78	83	84	86	81·6	·848	27
79	79	80	79	82	82	82	83	84	83	82·0	·860	28
80	78	77	81	85	87	90	87	87	87	83·1	·841	29
77	74	76	78	79	81	82	83	82	81	83·9	·855	30
74	75	76	79	85	89	85	83	78	80	79·6	·827	31
83·5	83·4	84·0	85·1	86·2	86·3	86·7	87·2	87·0	87·1	86·1	·879	Mean.
·899	·892	·878	·875	·867	·868	·872	·874	·872	·873	·879		Mean Vapour Pressure in inches of mercury.

RELATIVE HUMIDITY, 1934.

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours. (B. M. T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	83	84	80	83	86	86	82	82	79	78	77	77	76	75
2	91	91	91	86	90	90	93	93	92	91	92	90	87	83
3	84	85	88	90	89	90	88	87	90	88	83	81	79	76
4	82	85	86	86	84	84	83	83	83	82	82	84	85	83
5	86	86	86	86	86	84	85	88	90	89	89	88	87	85
6	87	87	86	85	83	82	85	86	85	86	85	84	87	93
7	93	93	93	93	92	91	89	89	88	85	86	87	86	84
8	84	83	84	84	86	88	88	84	83	82	81	86	86	86
9	87	88	88	88	89	88	87	87	85	82	82	82	79	80
10	85	85	85	84	82	84	82	81	79	77	76	76	75	74
11	83	83	80	84	83	84	85	88	84	81	78	78	79	77
12	86	87	88	88	88	87	89	89	88	87	83	78	73	78
13	81	81	82	82	84	82	82	80	84	81	79	77	72	71
14	78	79	79	80	81	81	82	81	78	77	84	78	81	78
15	90	87	84	82	84	88	85	83	80	79	77	75	74	74
16	80	80	80	81	80	80	80	78	82	82	77	78	73	73
17	81	80	80	81	81	81	82	82	80	80	75	75	74	72
18	80	82	82	80	79	79	80	78	76	74	72	71	72	70
19	80	81	81	82	82	83	83	82	78	76	78	82	80	80
20	86	86	88	88	88	88	86	84	82	81	79	79	78	75
21	84	86	89	86	88	88	87	84	85	83	81	76	75	73
22	82	80	83	83	82	82	86	85	82	81	76	74	75	74
23	79	78	79	81	82	81	83	81	80	77	75	72	72	72
24	84	84	84	81	80	80	81	80	77	76	74	71	69	68
25	80	78	79	79	80	80	78	78	76	74	70	71	74	72
26	78	78	78	79	82	85	84	82	77	75	71	70	69	68
27	79	80	80	80	80	80	88	88	87	84	79	77	75	75
28	84	87	87	90	91	92	91	90	87	83	78	77	79	79
29	81	91	92	91	91	91	91	91	89	85	85	83	81	80
30	89	90	90	90	91	91	91	89	87	85	83	81	80	76
Mean . . .	83·9	84·2	84·4	84·4	84·8	85·0	85·2	84·4	83·1	81·4	79·6	78·6	77·7	76·8
Mean Vapour Pressure in inches of mercury.	·838	·835	·835	·830	·830	·830	·834	·846	·863	·871	·874	·874	·876	·874

OCTOBER.

1	84	85	86	87	87	85	84	81	77	75	75	74	74	72
2	78	78	78	79	80	81	80	79	74	71	69	68	67	68
3	78	77	78	81	82	84	86	85	82	78	76	71	66	65
4	81	83	84	84	85	86	85	84	81	76	74	73	71	69
5	82	82	82	81	81	81	81	80	77	75	71	69	72	76
6	86	87	87	87	87	87	86	85	81	77	74	76	76	75
7	84	85	86	87	86	86	86	86	82	80	79	79	78	78
8	91	91	91	91	91	91	92	89	85	79	73	74	79	78
9	88	89	87	87	87	88	88	86	83	79	77	77	76	75
10	84	83	84	85	86	87	86	84	81	76	77	77	77	77
11	91	91	91	91	91	91	90	89	85	79	77	75	76	76
12	86	87	85	84	86	85	82	82	80	76	68	61	65	65
13	89	90	91	92	93	93	92	91	90	89	85	80	76	75
14	87	88	89	90	90	91	90	89	85	83	81	81	80	80
15	88	91	91	91	91	92	91	90	87	83	79	77	74	74
16	85	85	86	87	89	87	84	80	79	75	70	62	55	61
17	76	79	80	77	80	77	73	72	68	65	62	54	54	49
18	74	76	78	80	82	82	82	78	69	70	65	57	46	51
19	79	78	79	78	74	74	77	76	70	66	56	52	49	48
20	79	77	79	77	75	80	83	80	76	68	62	61	55	55
21	74	77	80	79	78	80	79	77	71	68	55	52	45	53
22	70	64	76	76	78	77	78	68	67	64	56	44	41	49
23	77	80	82	82	82	82	82	79	74	67	56	52	42	46
24	80	73	74	77	69	63	63	57	55	53	46	36	28	28
25	72	71	72	72	67	58	60	58	56	57	46	35	32	30
26	75	77	79	78	78	76	73	73	66	60	45	42	44	51
27	80	78	78	76	78	78	79	70	65	58	50	42	35	45
28	74	70	72	74	78	78	71	67	59	56	53	44	42	36
29	73	65	64	65	67	61	58	55	51	47	46	46	39	34
30	73	67	57	54	58	60	64	62	62	58	58	55	54	47
31	71	67	65	67	68	70	70	69	69	67	65	61	63	66
Mean . . .	80·3	79·7	80·4	80·5	80·8	80·4	79·8	77·5	73·8	70·2	65·4	61·5	59·1	59·7
Mean Vapour Pressure in inches of mercury.	·813	·799	·800	·796	·791	·782	·781	·792	·797	·799	·786	·770	·769	·789

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (THE FIGURES REPRESENT PERCENTAGES.)

Hours (B. M. T.)										Mean.	Mean Vapour Pressure in inches of mercury.	Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
74	73	74	78	84	87	86	88	88	89	81·2	·833	1
84	81	79	83	81	81	83	85	84	84	86·9	·848	2
76	76	78	79	79	79	82	82	82	82	83·0	·843	3
81	81	85	85	85	85	86	85	86	85	84·0	·842	4
87	84	82	81	82	83	85	86	87	87	85·8	·866	5
93	93	92	93	94	93	93	93	93	93	88·8	·858	6
82	88	86	85	87	88	87	86	85	84	87·8	·843	7
82	82	83	83	84	83	83	83	87	88	84·3	·837	8
77	77	84	81	81	82	82	85	89	85	84·0	·847	9
76	74	76	77	78	79	81	80	78	79	79·3	·826	10
79	78	80	80	83	82	87	83	85	87	82·1	·853	11
77	79	78	76	78	80	80	80	80	81	82·4	·848	12
71	71	71	73	75	76	77	77	82	82	78·0	·826	13
78	78	83	90	85	81	84	87	89	86	81·6	·818	14
72	71	79	83	81	78	79	80	79	80	80·2	·825	15
73	73	74	73	78	78	80	80	81	82	78·2	·834	16
73	72	74	76	78	78	81	80	80	80	78·2	·845	17
70	70	75	75	77	78	78	79	80	79	76·5	·826	18
77	75	75	76	78	78	80	83	85	86	80·0	·842	19
73	72	73	76	80	80	80	80	80	80	80·9	·854	20
79	74	73	76	78	80	79	78	79	81	80·6	·848	21
74	74	75	77	77	77	78	78	79	80	78·9	·850	22
72	72	76	79	78	78	78	80	78	80	77·6	·836	23
69	70	71	74	77	77	79	80	79	82	77·0	·832	24
69	70	70	73	74	74	77	77	78	78	75·4	·809	25
67	67	69	72	76	77	78	78	78	78	75·7	·810	26
75	80	81	79	80	81	83	82	79	83	80·6	·845	27
78	81	88	88	88	88	86	84	84	87	85·3	·883	28
79	78	76	76	79	81	83	85	88	89	85·3	961	29
75	74	76	78	80	81	82	83	83	84	83·7	·952	30
76·2	76·3	77·9	79·2	80·5	80·8	81·9	82·2	82·8	83·4	81·4	·848	Mean.
·867	·857	·852	·844	·835	·831	·840	·837	·835	·839	·848		Mean Vapour Pressure in inches of mercury.

OCTOBER.

72	72	74	75	78	78	78	79	79	78	78·7	·884	1
66	66	68	71	74	74	74	75	76	77	73·8	·818	2
66	66	68	70	73	73	74	75	78	78	75·4	·812	3
70	72	73	76	77	77	76	78	80	82	78·2	·834	4
74	74	75	79	80	80	82	84	85	85	78·7	·850	5
77	76	77	81	81	79	81	81	81	83	81·2	·877	6
78	79	80	83	85	89	91	90	90	90	84·0	·904	7
75	75	78	83	86	85	87	86	88	87	84·4	·921	8
75	75	77	78	80	81	80	80	81	82	81·5	·860	9
77	79	80	83	85	87	89	90	91	91	83·2	·884	10
77	79	79	80	85	87	86	85	85	86	84·3	·925	11
66	72	78	80	81	84	83	85	86	88	79·0	·864	12
76	74	81	82	83	84	85	85	87	87	85·4	·890	13
79	78	78	81	84	87	88	87	87	89	85·1	·919	14
76	79	79	81	82	81	84	85	85	84	84·0	·949	15
64	67	65	77	72	74	77	81	75	83	75·8	·879	16
48	52	66	72	72	71	71	70	78	80	68·6	·758	17
58	60	67	76	81	81	81	81	76	78	72·0	·828	18
57	61	66	68	68	71	75	78	79	79	69·1	·815	19
54	58	62	68	71	72	69	67	70	73	69·6	·826	20
54	51	58	64	66	65	66	65	64	68	66·2	·765	21
54	61	63	58	65	67	70	69	63	70	64·5	·710	22
53	56	61	65	71	77	78	71	76	80	69·6	·757	23
32	45	55	61	67	72	71	72	80	78	59·8	·652	24
36	48	50	59	67	70	78	82	82	78	59·8	·661	25
52	58	65	65	68	67	69	75	76	78	66·3	·709	26
53	58	63	60	60	65	70	68	65	68	64·3	·686	27
33	40	63	69	71	74	80	83	79	79	64·4	·702	28
33	35	60	69	69	74	75	72	67	70	58·1	·644	29
57	66	71	73	71	66	67	70	75	74	63·3	·711	30
67	67	62	64	64	69	69	69	69	68	66·9	·742	31
61·6	64·5	69·1	72·6	74·7	76·2	77·5	78·0	78·5	79·7	73·4	·808	Mean.
·812	·823	·835	·831	·822	·826	·826	·821	·810	·815	·804		Mean Vapour Pressure in inches of mercury.

RELATIVE HUMIDITY, 1934.

(Averages of periods of sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (THE FIGURES REPRESENT PERCENTAGES.)

Date.	Hours B. M. T.													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	68	68	70	70	68	72	74	76	75	75	68	71	77	79
2	88	89	90	91	92	92	92	93	91	90	90	90	89	90
3	93	93	93	94	93	93	94	93	92	94	95	95	95	92
4	90	89	89	89	88	87	87	86	84	82	80	80	81	79
5	85	86	89	90	88	89	89	87	86	84	82	81	81	78
6	88	87	88	88	87	86	86	86	85	81	79	74	73	74
7	91	91	90	91	91	91	88	85	78	74	70	64	57	57
8	72	72	72	72	74	76	74	78	73	67	56	50	41	38
9	75	71	76	77	75	78	77	76	68	64	65	64	61	61
10	87	84	82	82	83	83	81	78	76	74	69	63	57	62
11	89	90	90	90	91	91	91	89	89	87	84	83	79	75
12	90	90	90	90	91	92	91	92	91	88	85	83	78	74
13	88	89	92	90	87	87	80	80	83	81	76	70	62	63
14	82	79	80	82	83	83	83	79	76	72	66	57	52	56
15	85	85	86	81	79	79	79	75	75	68	60	55	53	57
16	77	79	80	77	73	73	75	75	75	71	61	51	51	53
17	80	82	81	81	80	82	82	82	79	74	68	59	51	43
18	78	81	78	75	78	78	76	76	72	67	58	52	45	38
19	74	73	74	75	77	78	76	74	70	65	64	61	47	39
20	81	82	83	81	81	80	81	79	78	71	63	64	57	40
21	80	81	79	78	78	80	81	78	73	69	63	58	53	42
22	83	83	83	84	81	80	77	74	69	66	63	54	51	50
23	82	82	82	85	84	84	79	80	76	74	69	64	53	49
24	74	71	74	81	74	78	80	80	79	73	68	54	44	46
25	75	81	79	77	79	82	82	77	76	74	67	56	42	36
26	83	83	79	80	78	77	80	78	75	69	60	53	54	58
27	84	87	83	79	79	77	75	74	73	68	60	51	44	52
28	79	74	70	68	68	65	67	69	67	62	55	49	42	43
29	74	74	73	72	76	74	73	71	66	60	53	40	33	33
30	60	63	66	67	69	67	61	61	60	52	42	35	31	28
Mean . .	81·2	81.3	81·4	81·2	80·8	81·1	80·4	79·4	77·0	73·2	68·0	62·7	57·8	56·2
Mean Vapour Pressure in inches of mercury.	·701	·697	·689	·683	·670	·666	·658	·672	·681	·678	·673	·658	·643	·641

DECEMBER.

1	70	70	70	64	63	65	66	59	51	50	50	41	33	31
2	68	66	68	65	67	61	61	60	52	49	41	47	42	35
3	74	70	74	67	69	65	63	67	63	52	48	43	41	37
4	74	74	68	69	66	63	64	60	57	54	54	47	39	38
5	74	71	69	69	76	77	72	64	60	58	55	52	47	41
6	70	74	76	75	72	70	73	72	68	61	56	53	48	46
7	83	83	82	81	81	81	78	79	77	73	68	63	57	58
8	82	79	77	77	78	80	82	81	76	73	72	62	55	56
9	85	84	83	81	81	83	80	80	76	70	68	61	53	56
10	76	79	76	77	72	77	66	59	51	46	48	47	47	41
11	74	76	73	75	74	68	69	62	55	49	45	38	33	30
12	63	57	61	57	51	51	51	52	51	47	39	40	33	32
13	72	61	56	57	53	54	53	50	53	54	54	49	49	46
14	62	69	71	62	58	59	59	58	53	59	58	53	49	47
15	74	74	80	79	79	78	79	74	70	65	61	58	52	42
16	79	82	81	81	79	79	79	79	78	73	68	54	48	43
17	71	71	74	75	75	78	80	80	77	72	67	60	53	52
18	79	75	74	72	74	77	78	78	76	73	68	64	60	61
19	78	81	80	75	79	79	80	79	74	73	70	55	54	57
20	82	82	85	87	88	87	85	84	80	78	73	69	70	65
21	85	86	86	82	79	79	80	83	80	77	71	65	57	50
22	83	88	88	86	80	79	81	78	74	73	69	64	52	53
23	82	79	77	77	79	80	78	76	74	71	65	63	61	59
24	77	78	79	80	82	79	80	81	75	69	68	66	53	56
25	65	65	73	77	76	76	76	75	72	67	68	56	44	41
26	79	74	70	68	70	70	69	70	68	63	53	46	45	46
27	70	68	70	74	73	76	76	76	70	71	69	66	62	62
28	77	76	72	73	76	79	73	78	79	76	72	68	62	61
29	75	75	73	73	71	75	72	73	76	70	67	57	50	56
30	73	74	74	76	74	72	72	76	76	72	67	59	56	58
31	79	80	72	69	74	71	69	72	69	68	61	57	58	56
Mean . .	75·3	74·9	74.6	73·5	73·2	73·2	72·4	71·5	68·1	64·7	61·1	55·6	50·4	48·8
Mean Vapour Pressure in inches of mercury.	·629	·621	·609	·595	·587	·581	·571	·581	·584	·583	·591	·572	·551	·552

(Averages for periods of sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (THE FIGURES REPRESENT PERCENTAGES.)

Hours B.M.T.										Mean.	Mean Vapour Pressure in inches of mercury.	Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
80	82	86	86	82	78	78	78	81	85	76·1	·684	1
90	89	91	89	90	90	91	91	92	92	90·5	·707	2
92	93	92	92	92	91	92	92	91	90	92·7	·798	3
81	81	82	85	88	88	86	86	85	84	84·9	·810	4
78	78	80	83	86	86	88	88	87	87	84·8	·806	5
74	75	80	82	86	86	88	89	89	90	83·4	·793	6
64	71	73	77	76	76	79	79	66	62	76·7	·759	7
49	55	53	60	65	73	79	79	77	81	66·1	·631	8
65	67	72	78	82	85	86	86	88	86	74·3	·677	9
70	72	76	81	85	86	88	89	89	89	78·6	.700	10
74	76	80	83	86	86	87	89	90	90	85·8	·756	11
73	74	78	82	84	84	85	86	87	88	85·3	·767	12
67	67	70	75	78	77	78	77	80	84	78·4	·733	13
61	66	70	74	78	80	82	76	77	84	74·1	·716	14
58	62	65	72	76	78	78	71	75	75	72·0	·691	15
57	57	65	71	76	77	78	75	74	82	70·1	·675	16
54	64	68	72	70	71	76	75	74	76	71·8	·694	17
37	50	67	70	67	66	70	70	70	71	66·3	·654	18
37	38	47	69	74	74	77	72	66	68	65·4	·640	19
39	41	63	73	77	78	79	72	72	74	70·4	·680	20
40	49	66	70	74	79	80	81	79	81	70·5	·675	21
51	51	58	66	72	76	77	80	81	79	70.4	·670	22
51	52	58	63	67	72	78	79	80	78	71·7	·673	23
57	59	64	71	75	77	80	82	82	77	70·8	·671	24
52	62	64	72	74	76	77	73	73	80	70·3	·677	25
55	60	67	71	72	77	78	77	76	78	71·6	·674	26
57	60	65	63	72	72	76	73	76	77	69·9	·669	27
51	55	62	65	68	69	71	73	74	78	64·3	·609	28
40	50	59	64	66	69	73	69	67	68	62·4	·595	29
29	53	63	68	72	78	75	73	70	68	58·8	·561	30
59·4	63·6	69·5	74·2	77·0	78·5	80·3	79·3	78·9	80·1	74·3	·695	Mean.
·676	·703	·727	·736	·739	·744	·746	·720	·697	·699	·692		Mean Vapour Pressure in inches of mercury.

DECEMBER.

27	43	60	68	70	66	70	67	67	63	57·7	·552	1
30	37	58	64	68	67	71	67	63	72	57·5	·547	2
44	47	55	64	66	65	68	72	70	72	60·7	·549	3
45	50	58	64	67	72	73	72	65	70	61·0	·543	4
43	51	64	72	77	75	75	76	72	71	65·0	·592	5
46	51	64	72	76	79	81	78	76	77	67·3	·636	6
62	64	65	71	76	80	82	81	76	81	74·3	·702	7
54	57	64	71	76	79	80	80	76	78	72·7	·703	8
57	60	66	74	75	76	72	70	70	71	72·2	·705	9
45	52	58	66	67	69	72	64	68	74	62·4	·605	10
43	51	57	60	67	68	72	72	70	72	60·5	·560	11
31	47	55	60	63	68	67	69	71	70	53·6	·508	12
36	35	44	70	71	69	67	66	70	66	56·5	·550	13
51	60	65	70	77	78	79	81	72	74	63·5	.604	14
49	62	64	70	74	75	77	81	83	81	70·0	·629	15
40	43	46	57	62	66	69	74	74	74	67·0	·598	16
49	50	53	60	65	71	76	78	78	77	68·4	·613	17
59	61	62	67	69	71	73	77	81	80	71·2	·632	18
58	61	63	70	75	76	78	80	80	81	72·3	·635	19
63	64	66	70	75	76	78	81	81	83	77·2	·687	20
59	66	69	74	78	75	76	75	71	76	74·1	·673	21
58	59	68	73	78	82	83	84	83	81	74·9	·698	22
63	61	61	63	68	72	77	81	77	72	71·5	·656	23
61	64	67	66	64	60	59	62	70	72	69·5	·635	24
46	51	62	68	74	71	73	71	69	74	66·3	·620	25
47	50	55	64	67	70	72	74	71	71	63·8	·600	26
60	61	64	69	72	73	74	77	77	78	70·3	·634	27
61	64	63	67	67	67	70	76	73	75	71·0	·621	28
60	62	63	68	74	77	78	80	81	80	70·3	·611	29
60	64	70	74	75	76	77	75	74	75	70·8	·611	30
57	58	64	68	69	67	66	66	59	62	66·3	·565	31
50·5	55·0	61·1	67·5	71·0	72·1	73·7	74·4	73·2	74·3	67·1	·615	Mean.
·576	·614	·645	·668	·675	·672	·671	·662	·630	·626	·610		Mean Vapour Pressure in inches of mercury.

Notation :—H=High clouds (Ci, Ci-S.) ; M=Medium clouds

JANUARY.

Date.	Cloud Forms. (coming from)									Cloud Amounts (All Forms).					
	8½h.			12½h.			16½h.								
	H.	M.	L.	H.	M.	L.	H.	M.	L.	6h.	8h.	10h.	12½h.	16½h.	22h.
1	..	..	..	..	..	..	SW	..	..	0	0	0	0	8	2
2	SW	..	..	..	..	..	SW	..	..	9	6	4	trace	2	0
3	SW	..	..	..	..	..	SW	..	..	4	2	1	1	3	0
4	SW	..	..	SW	..	..	SW	..	..	9	8	5	9	8	4
5	SW	..	..	SW	SW	..	..	..	WSW	3	6	2	6	10	9
6	..	..	SW	..	SW	..	..	..	SW	10	9	9	10	10	8
7	..	SW	..	..	WSW	..	..	..	..	8	4	8	5	1	0
8	..	..	..	..	..	..	..	..	..	2	trace	0	1	0	0
9	..	..	..	..	..	..	..	..	..	0	0	0	trace	trace	0
10	..	..	SSW	W	..	..	W	..	..	2	4	2	4	3	0
11	..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0
12	..	..	..	..	..	..	..	..	..	trace	0	0	trace	1	0
13	..	..	..	SW	..	..	SW	..	..	trace	0	1	1	1	0
14	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
15	..	..	..	..	..	..	SW	..	..	trace	0	0	0	1	0
16	SW	..	..	SW	..	..	SW	..	..	trace	9	8	9	9	0
17	..	..	..	SW	..	..	WSW	..	..	0	0	0	1	2	0
18	WSW	..	..	SW	..	..	..	..	..	3	4	6	4	1	0
19	SW	..	..	..	..	..	SW	..	..	1	4	1	1	2	0
20	SW	..	..	..	..	..	..	..	..	1	2	2	0	0	0
21	SW	..	..	..	..	..	..	..	..	3	2	1	trace	trace	0
22	..	..	..	..	..	..	..	..	..	0	1	1	trace	0	0
23	..	..	..	..	..	..	SW	..	..	0	0	0	1	2	0
24	..	..	..	..	..	..	..	..	..	1	1	1	trace	trace	0
25	..	..	..	..	..	..	SSW	..	..	trace	1	trace	1	3	0
26	SW	..	..	WSW	..	..	W	..	..	4	9	7	9	8	0
27	W	..	..	W	..	..	W	..	..	8	8	7	6	8	8
28	..	..	S	..	..	..	..	..	SW	9	10	10	10	10	10
29	W	..	..	..	SW	..	..	SW	..	3	7	5	9	2	7
30	..	..	..	..	..	..	..	..	..	2	0	trace	0	0	0
31	..	..	..	..	..	..	..	..	..	1	0	0	0	0	0
Mean cloud of month.										2·7	3·1	2·6	2·8	3·1	1·5

MARCH.

1	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
2	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
3	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
4	..	..	..	..	..	..	..	..	S	0	0	0	trace	1	5
5	..	..	S	..	..	SSW	..	..	SSW	3	3	5	4	7	2
6	..	..	NW	..	..	..	..	..	..	trace	3	trace	trace	0	0
7	..	..	..	..	..	..	..	..	..	1	0	0	0	0	0
8	..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0
9	..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0
10	..	..	..	..	..	..	..	..	..	0	0	0	trace	trace	0
11	..	..	N	..	..	..	..	..	..	6	2	0	0	0	1
12	..	..	N	..	..	..	..	..	..	3	4	0	0	0	0
13	..	..	NW	..	..	..	..	..	..	2	2	1	0	0	0
14	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
15	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
16	..	..	..	..	..	..	..	..	..	1	0	0	0	0	0
17	..	..	..	..	..	..	..	..	..	0	5	0	0	2	2
18	..	..	..	..	..	..	..	..	..	4	2	1	2	1	10
19	..	SW	..	..	..	..	..	SSW	..	7	4	1	3	4	trace
20	..	..	..	..	..	..	S	..	..	0	0	0	0	9	0
21	SW	..	..	SW	..	..	..	..	..	7	7	5	4	1	5
22	..	..	..	..	..	..	..	SW	..	0	0	0	0	1	9
23	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
24	..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0
25	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
26	..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0
27	..	..	..	..	..	..	..	..	..	1	0	0	0	0	0
28	..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0
29	..	..		..	..	SW	..	..	..	0	0	0	1	trace	0
30	..	..		..	..	..	..	..	..	1	0	0	0	0	trace
31	..	..	..	..	..	SW	..	..	..	trace	0	0	1	trace	0
Mean cloud of month.										1·2	1·0	0·4	0·5	0·8	1·1

(Ci-Cu, A-Cu, A-S) ; L=Low clouds (Cu, Cu-N, S, N) ; ..=No cloud.

FEBRUARY.

Cloud Forms. (coming from)									Cloud Amounts (All Forms).						Date.
8½h.			12½h.			16½h.									
H.	M.	L.	H.	M.	L.	H.	M.	L.	6h.	8h.	10h.	12½h.	16½h.	22h.	
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	1
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	2
..	SW	..	..	..	..	..	..	..	1	2	0	0	0	0	3
..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0	4
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	5
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	6
..	..	..	SW	..	..	..	..	..	0	1	1	1	trace	0	7
WSW	..	..	SW	..	..	SW	..	..	2	4	1	3	1	0	8
..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0	9
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	10
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	11
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	12
..	..	..	..	..	..	..	..	..	trace	trace	0	1	trace	1	13
..	..	SSE	..	..	..	..	..	..	1	10	0	0	0	0	14
..	..	E	..	..	..	..	..	..	1	10	0	0	0	4	15
..	..	..	..	..	..	..	..	..	6	10	9	0	trace	1	16
..	..	NE	..	..	..	..	..	..	1	3	1	0	0	0	17
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	18
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	19
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	20
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	21
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	22
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	23
..	..	..	..	..	..	..	..	..	4	0	0	0	0	trace	24
..	..	N	..	..	..	..	..	..	1	5	trace	0	0	6	25
..	..	..	..	..	..	..	..	..	3	0	0	0	0	0	26
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	27
..	..	..	..	..	..	..	..	..	trace	7	0	0	1	0	28
									0·7	1·9	0·4	0·2	0·1	0·4	Mean cloud of month.

APRIL.

..	SW	..	..	..	..	S	..	..	6	trace	trace	0	6	6	1
..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0	2
..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0	3
..	..	..	..	..	..	..	..	..	trace	0	0	0	0	trace	4
..	..	S	..	..	..	..	..	..	trace	1	0	0	0	1	5
..	..	S	..	..	..	..	..	SW	6	7	1	0	3	1	6
..	..	..	..	..	..	..	..	WSW	8	trace	0	0	4	2	7
..	..	..	..	..	..	..	..	..	3	1	0	0	0	1	8
..	..	SW	..	..	..	..	..	..	1	2	0	0	0	1	9
..	..	SW	..	..	..	..	W	..	2	trace	0	0	2	trace	10
..	..	SSW	..	..	..	..	SE	NW	6	7	1	0	3	0	11
..	NE	..	..	S	..	..	..	SE	3	5	trace	1	2	0	12
..	..	S	..	..	..	..	..	..	6	8	1	0	0	1	13
..	..	..	..	..	..	..	..	..	2	0	0	0	0	trace	14
..	..	..	..	..	..	..	..	..	2	0	0	trace	0	trace	15
..	..	..	..	..	..	..	..	..	trace	0	0	0	0	trace	16
..	..	..	..	..	..	..	..	..	1	trace	0	0	0	trace	17
..	..	SSE	..	..	..	..	..	..	1	3	1	0	0	0	18
..	..	W	..	..	W	..	..	W	7	6	3	3	1	0	19
..	..	S	..	..	..	..	..	W	7	5	trace	0	2	2	20
..	..	S	..	..	..	..	..	..	1	3	trace	0	0	0	21
..	..	NW	..	..	..	..	..	..	3	4	trace	trace	0	0	22
..	..	N	..	..	..	..	..	..	3	4	0	0	0	0	23
..	..	N	..	..	..	..	..	..	2	5	0	0	0	0	24
..	..	N	..	..	..	..	..	..	6	7	2	0	0	1	25
..	..	NW	..	..	..	..	..	..	5	7	2	0	0	0	26
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	27
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	28
..	..	NW	..	..	..	..	..	..	trace	2	0	0	0	0	29
..	..	NNW	..	..	..	..	..	..	4	2	1	0	0	5	30
									2·8	2·6	0·4	0·1	0·8	0·7	Mean cloud of Month.

Notation :—H=High clouds (Ci, Ci-S) ; M=Medium clouds

MAY.

Day.	Cloud forms (coming from)									Cloud amount (all forms).					
	8½h.			12½h.			16½h.			6h.	8h.	10h.	12½h.	16½h.	22h.
	H.	M.	L.	H.	M.	L.	H.	M.	L.						
1	..	..	NW	..	..	..	..	..	..	2	3	2	trace	0	2
2	..	..	..	..	..	..	..	..	..	3	2	trace	0	0	0
3	..	..	..	..	..	W	..	..	NW	2	1	1	2	trace	0
4	..	..	..	..	..	..	..	..	W	3	2	trace	trace	2	1
5	..	..	NW	..	..	NW	..	..	WNW	2	4	0	6	3	1
6	..	..	..	..	..	..	..	..	..	2	5	0	0	0	1
7	..	..	N	..	..	..	..	..	..	3	4	2	0	0	trace
8	..	..	NW	..	..	..	..	..	W	3	2	1	0	trace	0
9	..	..	N	..	..	..	..	..	..	3	2	1	0	trace	0
10	..	..	N	..	..	..	..	..	..	2	3	trace	0	2	0
11	..	..	NW	..	..	..	..	..	..	3	1	trace	trace	trace	0
12	..	..	..	..	..	..	..	..	..	2	trace	0	0	0	1
13	..	..	..	..	..	..	..	..	W	trace	trace	0	0	2	3
14	..	..	..	..	..	..	..	..	..	7	2	trace	0	trace	trace
15	..	..	..	..	..	..	..	..	..	3	2	2	0	trace	2
16	..	..	NNW	..	..	..	..	..	..	2	4	trace	0	trace	1
17	..	..	NNE	..	..	..	..	SE	..	4	3	trace	trace	trace	0
18	..	..	NW	..	..	NNW	..	..	W	4	2	1	1	4	5
19	..	..	NW	..	..	NW	..	..	W	4	2	1	4	4	2
20	..	..	WNW	..	..	W	..	..	W	4	2	1	2	6	6
21	..	..	N	..	..	..	..	..	..	5	4	0	0	0	6
22	..	..	N	..	..	..	..	..	NW	6	4	1	0	trace	5
23	..	..	N	..	..	..	SW	..	..	4	3	0	1	2	0
24	..	..	N	..	..	..	..	..	..	2	8	3	0	trace	0
25	..	..	..	..	..	W	..	..	..	2	3	2	2	trace	5
26	..	..	NNE	..	..	WSW	..	..	W	2	3	2	3	4	5
27	..	..	..	..	..	W	..	..	W	2	2	1	2	5	5
28	..	..	..	..	..	W	..	..	W	3	1	trace	3	3	4
29	..	..	W	..	..	W	..	..	WNW	3	2	3	2	5	4
30	..	..	NW	..	..	..	..	..	..	1	7	2	trace	0	trace
31	..	..	..	..	..	..	..	..	..	2	2	1	1	trace	2
Mean cloud of month.										2·9	2·7	0·9	0·9	1·4	2·0

JULY.

1	..	..	..	..	..	..	..	..	W	10	10	10	10	10	10
2	..	..	SW	..	..	..	..	..	W	10	10	10	10	10	10
3	..	..	..	..	..	..	..	..	W	10	10	10	10	10	10
4	..	..	SW	..	..	SW	..	..	SW	10	10	10	10	10	10
5	..	..	..	..	SE	W	..	..	SW	10	10	10	9	6	8
6	W	..	W	..	..	SW	..	..	W	9	8	6	5	7	9
7	..	.	..	SW	..	W	..	SW	W	10	10	8	5	5	8
8	..	..	SW	..	..	WSW	..	W	W	10	7	9	10	9	8
9	..	..	WSW	..	..	WSW	..	..	W	10	10	10	10	10	10
10	..	W	W	..	..	WSW	..	..	W	10	9	10	10	10	8
11	..	..	WSW	..	..	..	..	..	W	10	9	10	10	10	10
12	..	..	SW	..	..	..	..	SW	W	10	10	10	10	10	7
13	..	..	WSW	..	..	W	..	..	SW	8	10	10	10	10	10
14	..	..	SW	..	..	SW	..	..	SW	6	9	10	7	10	8
15	..	..	..	..	..	SW	..	..	SW	10	10	10	8	9	10
16	E	..	WSW	..	..	WSW	..	..	W	10	9	7	5	9	4
17	..	W	SW	..	SW	..	..	..	SW	4	10	9	8	10	3
18	..	SW	..	..	SW	..	..	..	SW	4	8	9	8	9	10
19	..	W	W	..	..	..	..	SW	WSW	7	8	6	10	9	10
20	..	..	WSW	..	..	SW	..	W	W	10	10	10	10	10	10
21	..	..	..	..	..	..	..	..	SW	8	10	10	10	10	10
22	..	..	SW	..	..	..	..	..	SW	10	9	10	10	10	2
23	E	W	WSW	..	WNW	WNW	..	..	W	8	5	7	6	7	10
24	..	..	NW	..	..	W	..	..	W	10	10	9	10	7	10
25	..	E	W	..	W	WSW	..	..	W	10	6	8	8	10	10
26	..	..	W	..	..	..	..	..	W	10	10	10	10	8	10
27	..	..	NW	..	..	.	..	..	..	10	9	10	10	10	10
28	..	..	..	..	..	..	..	..	W	10	10	10	10	10	10
29	..	..	WNW	..	..	..	..	..	W	10	10	10	10	10	10
30	..	..	W	..	..	..	..	..	W	10	10	10	10	10	10
31	..	..	..	..	..	..	..	..	W	10	10	10	10	10	10
Mean cloud of month.										9·2	9·2	9·3	9·0	9·2	8·9

(Ci-Cu, A-Cu, A-S); L=Low clouds (Cu, Cu-N, S, N); . . =No cloud.

JUNE.

Cloud forms (coming from)									Cloud amount (all forms).						Date.
8½h.			12½h.			16½h.									
H.	M.	L.	H.	M.	L.	H.	M.	L.	6h.	8h.	10h.	12½h.	16½h.	22h.	
..	..	NNW	N	..	..	SE	..	..	3	4	2	2	4	2	1
..	..	NW	..	..	..	..	..	W	2	1	1	2	2	2	2
..	..	W	..	..	W	WSW	..	..	4	6	5	6	5	trace	3
..	..	W	..	..	..	..	..	WSW	4	2	3	2	6	1	4
..	..	SW	..	..	W	..	..	NW	2	3	5	4	4	1	5
..	..	W	..	..	..	SW	..	W	1	3	2	2	4	3	6
..	..	W	..	..	..	..	..	W	4	5	4	2	4	4	7
..	..	NW	..	SE	N	SE	..	..	10	10	8	5	3	3	8
..	ENE	..	..	..	NNW	..	..	..	7	8	3	6	10	10	9
..	NE	..	..	..	..	SW	..	..	10	10	7	3	7	3	10
..	..	.		SE	..	SW	SE	..	10	10	10	10	6	4	11
E	..	..	ESE	..	..	E	..	WSW	10	6	5	4	8	5	12
..	E	..	S	..	..	..	..	SW	8	9	8	6	10	4	13
..	SSE	..	..	SE	..	..	..	..	10	7	8	10	10	7	14
..	SE	S	..	..	SW	..	..	SW	10	8	7	10	10	10	15
..	..	SW	..	..	..	..	..	..	10	10	10	10	10	10	16
..	..	..	..	..	..	..	..	SW	10	10	10	10	10	4	17
..	S	SW	..	..	..	..	..	SW	10	6	7	10	8	8	18
..	..	..	..	S	..	..	..	SW	10	9	6	9	10	10	19
..	..	W	..	..	W	..	..	SW	10	9	8	10	10	9	20
..	..	SW	..	..	..	..	..	SW	10	10	10	10	10	10	21
..	..	..	..	..	..	..	..	..	10	10	10	10	10	10	22
..	..	..	..	..	..	..	..	..	10	10	10	10	10	10	23
..	..	SW	..	..	..	..	..	SW	10	10	10	10	10	10	24
..	SW	..	..	..	..	..	..	SW	10	10	9	10	10	10	25
..	..	SW	..	..	..	..	..	SW	8	6	7	10	10	10	26
..	..	..	..	..	SW	..	..	..	10	10	10	10	10	10	27
..	..	..	..	..	SW	..	..	SW	10	10	10	10	10	10	28
..	..	SW	..	..	SW	..	..	SW	10	10	8	10	10	10	29
..	..	SW	..	..	W	..	ENE	W	9	10	10	10	10	9	30
									8·1	7·7	7·1	7·4	8·0	6·6	Mean cloud of month.

AUGUST.

..	..	W	..	..	..	..	..	..	10	10	10	10	10	10	1
..	..	..	..	..	W	..	..	W	10	10	10	10	10	10	2
..	W	W	..	..	WSW	..	..	W	8	10	10	10	10	10	3
..	..	WSW	..	..	WSW	..	..	W	10	10	10	10	10	10	4
..	..	..	..	..	WSW	..	..	WSW	10	10	10	10	10	10	5
..	..	W	..	..	W	..	..	WSW	10	10	10	10	8	6	6
..	..	..	..	..	SW	..	..	SW	10	10	8	9	8	10	7
..	..	WSW	..	..	..	..	..	W	10	10	10	10	10	6	8
..	..	SW	..	WSW	W	..	..	W	7	10	8	9	10	10	9
..	..	SW	..	..	SW	..	..	W	10	9	10	9	10	8	10
..	..	W	..	..	..	..	..	W	10	10	10	10	10	10	11
..	..	W	..	..	W	..	..	WSW	10	10	10	10	8	10	12
..	..	WSW	..	..	..	..	SW	SW	10	10	10	10	10	10	13
..	..	SSW	..	..	..	..	..	W	8	9	9	10	10	10	14
..	W	SW	..	..	..	..	..	W	9	7	10	10	10	10	15
..	..	W	..	..	..	..	..	..	9	10	10	10	10	10	16
..	..	WSW	..	..	..	..	..	NW	10	10	10	10	10	10	17
..	..	W	..	..	W	..	..	W	10	10	10	10	10	10	18
..	WNW	WSW	..	..	WSW	..	..	W	10	10	10	10	10	10	19
..	..	W	..	..	W	..	..	W	10	10	10	2	9	10	20
..	..	W	..	..	SW	..	..	W	10	10	10	10	9	10	21
..	..	..	..	..	..	..	..	WSW	10	10	10	10	10	10	22
..	W	W	..	..	..	..	..	W	10	10	7	10	10	10	23
..	..	W	..	..	WSW	..	..	W	10	10	10	10	10	10	24
..	..	W	..	NW	..	..	..	W	10	10	10	8	10	5	25
..	..	..	..	..	SW	..	..	WSW	10	4	6	9	10	8	26
..	..	..	..	NNW	SW	..	NNW	W	7	2	6	8	7	9	27
..	..	WSW	..	..	W	..	NNW	W	10	10	10	10	8	10	28
E	SW	..	..	..	W	..	..	W	10	8	7	9	10	9	29
..	..	WSW	SSW	..	..	..	W	..	8	5	10	9	10	3	30
..	W	W	..	..	WSW	..	..	SW	6	8	8	5	10	10	31
									9·4	9·1	9·3	9·3	9·6	9·2	Mean cloud of month.

Notation :—H=High clouds (Ci, Ci-S); M=Medium clouds.

SEPTEMBER.

Date.	Cloud forms (coming from)									Cloud amounts (all forms)					
	8½hrs.			12½hrs.			16½hrs.								
	H.	M.	L.	H.	M.	L.	H.	M.	L.	6h.	8h.	10h.	12½h.	16½h.	22h.
1	..	..	W	..	W	W	..	..	W	9	8	7	9	7	3
2	..	..	..	..	..	..	..	..	W	10	10	10	10	10	8
3	..	..	W	WNW	SW	..	..	..	W	8	10	8	7	10	8
4	..	..	WNW	..	..	NNW	..	..	W	9	10	10	10	9	2
5	..	..	W	..	..	..	..	..	W	10	10	10	10	9	6
6	..	..	W	..	..	..	..	..	..	10	10	10	10	10	10
7	..	..	W	..	..	..	..	..	..	10	10	10	10	10	10
8	..	N	NW	..	..	..	..	WSW	W	10	9	8	10	9	10
9	..	..	W	..	W	..	..	..	SW	8	10	8	8	8	6
10	SW	..	W	..	SW	W	..	..	W	8	9	6	4	7	7
11	E	NW	W	..	..	..	..	..	NW	6	3	6	8	9	4
12	..	..	W	..	W	W	..	N	NW	9	6	9	8	10	10
13	..	..	SW	..	..	W	..	..	W	8	10	7	3	4	5
14	..	SW	W	..	..	W	..	..	W	7	6	8	9	10	10
15	..	..	W	SW	..	W	W	..	W	8	7	6	5	7	4
16	..	..	W	..	W	NW	NE	..	WNW	5	6	4	7	5	8
17	..	..	WSW	..	..	W	..	..	W	7	5	5	4	3	1
18	..	..	W	..	..	W	..	..	..	4	5	3	4	4	4
19	..	SW	W	..	..	W	..	SW	W	5	6	5	3	3	4
20	..	..	W	..	..	SW	NE	..	..	5	2	4	6	5	6
21	..	..	SW	ENE	..	..	NE	..	..	8	9	8	9	9	3
22	..	..	..	..	..	SW	..	..	SW	7	6	7	10	9	3
23	..	..	SW	..	..	WSW	S	..	SW	5	5	2	4	3	8
24	..	..	SW	..	..	W	..	..	SW	5	3	2	2	3	9
25	..	..	W	..	..	WSW	..	..	W	3	5	3	7	3	6
26	..	..	W	..	..	W	..	..	W	5	6	3	3	5	3
27	..	..	..	..	..	NW	..	..	NNW	8	8	6	10	8	8
28	..	..	NE	..	N	..	..	..	NW	9	9	8	9	10	6
29	..	..	..	ENE	ESE	..	..	..	ESE	9	7	7	4	6	2
30	..	..	W	..	..	W	..	..	WNW	1	trace	1	3	5	4
31															
Mean cloud of month.										7·2	7·0	6·4	6·9	7·0	5·9

NOVEMBER.

1	..	..	E	..	..	..	..	..	..	10	10	10	10	10	10
2	..	..	..	..	..	..	..	..	E	10	10	10	10	10	10
3	..	..	..	..	..	..	..	..	SSW	10	10	10	10	9	8
4	..	..	SSW	..	..	..	..	S	..	9	7	4	3	7	1
5	..	..	S	..	..	..	..	..	SW	3	1	1	1	6	0
6	..	..	NE	..	..	..	..	..	..	5	6	2	2	0	0
7	..	..	..	..	..	..	..	..	..	trace	1	trace	trace	1	0
8	SW	..	..	SW	..	..	S	..	..	4	6	6	3	4	0
9	..	..	..	..	..	..	..	..	..	2	trace	0	0	trace	0
10	SW	..	..	SW	..	..	SW	..	..	1	3	2	5	2	3
11	..	..	NE	..	..	..	S	..	..	5	9	2	1	1	1
12	..	..	NE	..	..	..	..	..	..	7	10	3	trace	0	0
13	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
14	..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0
15	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
16	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
17	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
18	..	..	..	..	..	..	..	..	..	0	0	0	0	0	0
19	..	..	..	..	..	..	..	..	..	0	1	trace	trace	trace	0
20	SW	..	..	..	..	..	SW	..	..	2	2	5	2	4	8
21	..	..	..	..	..	..	WNW	..	..	3	4	5	3	4	1
22	..	..	..	..	..	..	..	..	..	1	0	0	0	0	0
23	..	..	..	..	..	..	SW	..	..	6	2	trace	1	1	0
24	..	..	..	..	..	..	..	..	..	trace	trace	1	trace	trace	0
25	..	..	..	..	..	..	..	..	..	4	trace	1	trace	0	0
26	..	..	..	..	..	..	..	..	..	trace	tarce	trace	1	2	0
27	W	..	..	WSW	..	..	W	..	SW	1	2	2	3	8	2
28	..	..	..	..	..	..	..	..	..	trace	trace	trace	trace	trace	0
29	..	..	..	..	..	..	SW	..	..	1	1	trace	1	3	0
30	..	..	..	..	..	..	..	..	..	0	0	0	trace	0	0
31															
Mean cloud of month.										2·8	2·8	2·1	1·9	2·4	1·5

(Ci-Cu, A-Cu, A-S); L=Low clouds (Cu, Cu-N, S, N); ·=No cloud.

OCTOBER.

Cloud Forms (coming from)									Cloud amounts (all forms).						Date.
8½hs.			12½hs.			16½hs.									
H.	M.	L.	H.	M.	L.	H.	M.	L.	6h.	8h.	10h.	12½h.	16½h.	22h.	
ESE	..	..	..	..	..	..	..	W	5	3	4	3	7	3	1
..	..	N	..	..	..	..	..	N W	3	6	4	7	5	4	2
..	..	NW	..	..	N W	NE	..	N W	3	4	5	3	8	1	3
E	..	..	..	..	N W	..	..	..	7	2	4	5	3	3	4
NNE	..	N	..	..	..	..	..	NE	8	2	3	2	1	2	5
..	..	SE	..	SE	..	..	..	..	8	8	7	4	2	4	6
..	SE	..	..	..	..	..	..	..	6	2	3	1	trace	1	7
S	..	..	..	..	..	..	..	..	2	3	1	1	2	1	8
SE	..	N	..	..	..	..	..	..	4	5	1	1	2	3	9
..	..	NNE	..	..	..	..	..	NNE	3	2	1	1	1	2	10
..	..	..	..	..	..	..	..	..	2	1	0	0	1	3	11
SE	..	..	..	..	..	..	..	..	2	2	trace	2	9	10	12
ESE	..	..	..	SE	..	..	..	..	9	6	5	8	9	1	13
NE	..	..	..	ENE	..	SE	..	W	6	3	4	4	4	2	14
..	S	..	..	SE	..	SE	..	..	7	4	6	5	4	9	15
..	WNW	..	..	..	..	..	..	..	9	5	3	1	1	1	16
..	NW	..	..	..	W	..	..	..	3	4	4	5	trace	0	17
..	..	..	..	..	..	..	..	..	1	0	0	0	0	0	18
..	..	..	..	..	..	..	..	..	2	1	0	1	2	2	19
..	S	..	..	..	..	..	..	..	4	2	1	trace	2	trace	20
..	W	..	..	NW	..	..	..	..	4	1	1	1	0	2	21
..	..	..	..	..	..	W	..	..	3	trace	trace	trace	4	0	22
..	..	..	..	..	..	..	..	..	1	trace	0	trace	1	0	23
..	..	..	SSW	..	..	..	..	..	4	2	2	4	2	3	24
..	..	..	..	..	..	SW	.	..	4	2	0	trace	2	3	25
..	..	..	SW	..	..	..	..	..	4	1	trace	3	3	0	26
..	..	..	W	..	..	W	..	..	1	1	4	5	8	1	27
SW	..	..	..	..	..	SW	..	..	7	4	3	2	5	1	28
W	..	..	..	..	..	..	..	..	3	1	1	trace	0	0	29
..	..	..	..	..	..	..	..	SE	2	1	2	2	7	3	30
..	SSE	E	..	..	SE	..	..	SE	10	10	10	10	10	10	31
									4·4	2·8	2·5	2·6	3·4	2·4	Mean cloud of month.

DECEMBER.

..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0	1
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	2
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	3
..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0	4
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	5
..	..	..	..	..	..	..	..	..	0	0	0	0	trace	0	6
..	..	..	..	..	..	..	..	..	trace	trace	0	trace	trace	0	7
..	..	..	..	..	..	..	..	..	1	1	1	1	1	0	8
..	..	..	..	..	..	W	..	..	1	1	2	1	1	1	9
..	..	..	..	..	..	..	..	..	trace	trace	trace	trace	1	0	10
W	..	..	..	..	..	..	..	..	2	5	3	2	1	0	11
..	..	..	..	..	..	..	..	..	trace	0	0	0	0	0	12
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	13
..	..	..	..	..	..	..	..	..	0	0	0	0	0	0	14
..	..	..	WSW	..	..	WSW	..	..	1	8	7	9	9	8	15
W	..	..	W	..	..	..	..	..	3	8	6	5	1	0	16
..	..	..	..	..	..	WSW	..	..	1	1	0	trace	5	0	17
W	..	..	..	..	..	..	..	..	5	7	5	3	2	1	18
..	..	..	..	..	..	..	..	..	1	0	0	trace	3	0	19
..	..	..	..	..	..	W	..	..	1	1	0	2	8	1	20
W	..	..	W	..	..	W	..	..	6	9	9	9	9	3	21
W	..	..	W	..	..	WSW	..	..	9	10	10	9	9	4	22
..	..	..	..	..	..	..	..	..	3	trace	0	trace	trace	0	23
WNW	..	..	W	..	..	WNW	..	..	2	3	6	4	4	0	24
..	..	SE	..	..	..	..	..	..	7	9	6	2	0	0	25
..	..	..	..	..	..	..	..	..	6	0	0	trace	trace	0	26
..	..	..	..	..	..	..	..	..	1	trace	0	trace	trace	0	27
..	..	..	..	..	..	SW	..	..	trace	0	0	1	3	0	28
W	..	..	..	..	..	WSW	..	..	2	5	3	2	3	0	29
..	..	..	..	..	..	..	..	..	1	0	0	0	0	0	30
..	..	..	..	..	..	..	..	..	0	0	0	0	trace	0	31
									1·9	2·2	1·9	1·6	1·9	0·6	Mean cloud of month.

Month.	Hours (B.A.T.).													Bright Sunshine.	
	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15	15—16	16—17	17—18	18—19	Average per day.	Greatest number of hours in a day.
	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.	hrs.
January .	0·08	0·82	0·88	0·94	0·95	0·93	0·91	0·91	0·88	0·86	0·73	0·01	0·00	8·9	10·3
February .	0·15	0·84	0·91	0·97	1·00	1·00	1·00	1·00	1·00	1·00	0·90	0·02	0·00	9·8	10·7
March .	0·02	0·75	1·00	1·00	1·00	1·00	1·00	1·00	1·00	1·00	0·76	0·03	0·00	9·6	10·3
April .	0·24	0·83	0·97	1·00	1·00	1·00	1·00	1·00	1·00	1·00	0·99	0·39	0·00	10·4	11·5
May .	0·47	0·94	0·98	1·00	1·00	1·00	1·00	1·00	1·00	1·00	1·00	0·60	0·00	**11·0**	11·6
June .	0·16	0·38	0·40	0·53	0·52	0·42	0·47	0·55	0·50	0·44	0·37	0·23	0·00	5·0	11·9
July .	0·00	0·90	0·20	0.16	0·22	0·25	0·32	0·30	0·26	0 17	0·15	0·04	0·00	2·2	7·5
August .	0·00	0·11	0·16	0·14	0·18	0·22	0·19	0·20	0·18	0·12	0·05	0·02	0·00	1·6	5·8
September .	0·01	0·31	0·52	0·54	0·65	0·61	0·58	0·56	0·57	0·50	0·32	0·00	0·00	5·2	9·5
October .	0·07	0·67	0·86	0·92	0·90	0·93	0·94	0·95	0·94	0 88	0·64	0·01	0·00	8·7	10·4
November .	0.07	0·84	0·84	0·89	0·90	0·90	0·90	0·90	0·90	0·89	0·76	0·03	0·00	8·8	10·4
December .	0·03	0·87	0·95	0·98	0·97	0·97	0.99	1·00	0·99	0·93	0·73	0·00	0·00	9·4	10·1
Mean .	**0·11**	0·69	0·72	0·76	0·77	0·77	0·77	**0·78**	0·77	0·73	0·62	0·11	0·00	7·5	..

* From Campbell-stokes Sunshine Recorder.

MAGNETIC TABLES.

(ALIBAG OBSERVATORY.)

Diurnal variation of magnetic elements.

The following tables give the diurnal variation of declination (D), horizontal component of the force (H), the easterly component (Y), the vertical component (Z), the inclination (I) and the total force (F) for each month based on the hourly tabulations for the 5 international quiet days. Owing to very small value of D the variation tables of H and the northerly component of the force (X) are practically the same. No separate table for $\triangle$ X has consequently been given. The days are reckoned from 4 h. 51 m. to 3 h. 51 m. of the local mean time corresponding to the Greenwich civil day 0 h. to 23 h.

The variations in X, Y, I and F were computed from the variations in D, H and Z by means of the formulæ:

$$\begin{aligned}
\triangle X &= 1{\cdot}000\ \triangle H + 0{\cdot}052\ \triangle D \\
\triangle Y &= -0{\cdot}005\ \triangle H + 10{\cdot}899\ \triangle D \\
\triangle I &= 0{\cdot}075\ \triangle Z - 0{\cdot}036\ \triangle H \\
\triangle F &= 0{\cdot}903\ \triangle H + 0{\cdot}431\ \triangle Z
\end{aligned}$$

A *plus* sign indicates an hourly value greater than the mean for the day.

Mean results are also given for groups of four months, as indicated by the Roman numerals at the head of the columns:—I January, February, November, December: II March, April, September, September; III May, June, July, August.

All diurnal inequalities have been corrected for the aperiodic change by the formula $\frac{N(12-n)}{24}$ where "N" denotes the excess at the second midnight of the representative day as compared to the first midnight, and "n" denotes any hour of the day reckoned from 0 (first midnight to 24).

The actual non-cyclic corrections applied, namely, $a_{24} - a_0$, in the different months of the year have been given under the respective columns of the tables for $\triangle$D, $\triangle$H and $\triangle$Z.

The "allowance for the use of the means", which is given by $u_p = m_p + \frac{1}{12}\left(m_p - \frac{m_{p+1} + m_{p-1}}{2}\right)$, where u_p is the true ordinate and m_{p-1}, m_p, m_{p+1} the successive mean ordinates, is very small and less than 1γ in the case of H and V and 0·1 minute of arc in the case of D. Although small, the corrections have been used in determining the last significant figure in the following variation tables.

N

133519

DIURNAL VARIATION OF D, 1934.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	
0	−0·4	−0·3	−0·2	+0·2	+0·5	+0·6	+0·5	+0·6	+0·5	0·0	−0·1	−0·3	−0·3	+0·1	+0·5	+0·1
1	−0·5	−0·4	−0·2	+0·5	+1·3	+1·0	+1·4	+1·4	+1·4	0·0	−0·3	−0·4	−0·4	+0·4	+1·3	+0·4
2	−0·5	−0·3	0·0	+1·2	+2·1	+1·9	+2·3	+2·1	+2·5	+0·5	−0·4	−0·3	−0·4	+1·1	+2·1	+0·9
3	−0·2	−0·1	+0·7	+1·4	+2·0	+2·3	+2·4	+2·1	+2·5	+1·0	−0·1	+0·2	−0·1	+1·4	+2·2	+1·2
4	+0·7	+0·6	+1·3	+1·2	+1·1	+1·7	+1·9	+1·3	+0·9	+0·7	+0·3	+0·5	+0·5	+1·0	+1·5	+1·0
5	+1·0	+0·8	+1·4	+0·5	−0·2	+1·5	+0·9	−0·4	−0·7	+0·1	0·0	−0·2	+0·4	+0·3	+0·5	+0·4
6	+0·2	+0·2	+0·6	−0·7	−1·3	−0·8	−0·6	−1·6	−2·3	−0·7	−1·0	−0·7	−0·3	−0·8	−1·1	−0·7
7	−0·7	−0·3	−0·4	−1·4	−2·1	−2·0	−1·9	−2·3	−3·1	−1·4	−1·3	−1·0	−0·8	−0·6	−2·1	−1·5
8	+0·8	−0·3	−0·9	−1·8	−2·2	−2·3	−2·2	−2·6	−2·8	−1·3	−0·7	−0·7	−0·6	−1·7	−2·3	−1·6
9	−0·6	−0·3	−1·0	−1·3	−1·6	−1·9	−2·2	−1·8	−1·7	−0·8	−0·1	−0·3	−0·3	−1·2	−1·9	−1·1
10	−0·2	−0·2	−0·4	−0·8	−0·8	−1·4	−1·7	−0·7	−0·2	−0·1	+0·1	+0·1	−0·1	−0·4	−1·1	−0·5
11	+0·3	−0·1	+0·2	0·0	+0·2	−0·8	−0·9	+0·3	+0·6	+0·3	+0·4	+0·3	+0·2	+0·3	−0·4	0
12	+0·4	−0·1	+0·3	+0·4	+0·3	−0·3	−0·2	−0·7	+0·8	+0·3	+0·4	+0·3	+0·3	+0·4	−0·2	+0·2
13	+0·2	−0·1	+1·0	+0·1	0·0	0·0	+0·1	−0·4	+0·4	+0·1	+0·3	+0·3	+0·2	+0·2	0	+0·1
14	+0·2	+0·1	−0·1	−0·2	−0·2	−0·2	−0·3	−0·1	0·0	+0·1	+0·3	+0·4	+0·3	−0·1	−0·2	0
15	+0·2	+0·1	−0·1	−0·2	−0·2	−0·3	−0·4	−0·3	−0·1	+0·1	+0·3	+0·4	+0·3	−0·1	−0·3	0
16	+0·1	+0·1	−0·2	+0·1	−0·1	−0·3	0·3	−0·2	0·0	+0·1	+0·3	+0·4	+0·2	0	−0·2	0
17	+0·1	+0·2	−0·1	−0·1	−0·1	−0·2	0·0	−0·1	+0·1	+0·1	+0·3	+0·3	+0·2	0	−0·1	0
18	+0·1	+1·0	0·0	+0·1	+0·1	0·0	+0·2	0·0	+0·1	+0·2	+0·3	+0·3	+0·2	+0·1	+0·1	+0·1
19	+0·1	+0·2	0·0	+0·2	+0·2	+0·3	+0·2	+0·1	+0·2	+0·2	+0·4	+0·2	+0·2	+0·1	+0·1	+0·2
20	+0·1	+0·2	+0·1	+0·2	+0·3	+0·5	+0·2	+0·2	+0·2	+0·2	+0·3	+0·2	+0·2	+0·2	+0·3	+0·2
21	+0·1	+0·1	0·0	+0·2	+0·3	+0·5	+0·3	+0·2	+0·3	+0·2	+0·3	+0·1	+0·1	+0·2	+0·4	+0·2
22	0·0	0·0	0·0	+0·3	+0·3	+0·6	+0·4	+0·3	+0·3	+0·1	+0·1	+0·1	0	+0·2	+0·4	+0·2
23	−0·1	−0·1	−0·1	+0·2	+0·3	+0·6	+0·4	+0·3	+0·4	0·0	−0·1	−0·1	−0·1	+0·1	+0·4	+0·1
Non cyclic change ($a_{24}-a_0$)	+0·04	−0·38	−0·06	−0·15	−0·14	+0·09	+0·06	−0·03	+0·01	−0·08	−0·04	−0·06				

DIURNAL VARIATION OF H, 1934.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
0	−4	−5	−4	−7	−8	−12	−9	−6	−4	−7	−9	−4	−5	−5	−9	−7
1	−4	−4	−4	−6	−6	−9	−9	−4	−4	−6	−9	−3	−5	−5	−7	−6
2	−4	−1	−3	−2	−2	−4	−5	−1	−7	−5	−4	−1	−3	−5	−3	−3
3	−2	+6	+1	+3	+6	+4	+2	+8	−5	−1	+4	+3	+3	−1	+5	+2
4	+2	+13	+10	+10	+16	+15	+11	+14	+3	+9	+8	+5	+7	+8	+14	+10
5	+8	+18	+19	+21	+23	+28	+23	+18	+11	+19	+21	+13	+15	+17	+23	+19
6	+15	+18	+26	+28	+26	+34	+30	+20	+16	+26	+29	+18	+20	+24	+28	+24
7	+16	+14	+24	+28	+25	+33	+30	+19	+16	+25	+28	+16	+19	+23	+27	+23
8	+15	+10	+18	+23	+19	+28	+27	+15	+14	+20	+23	+11	+15	+19	+22	+19
9	+11	+4	+12	+14	+11	+19	+19	+13	+9	+11	+13	+5	+8	+11	+16	+12
10	+8	+1	+5	+6	−2	+9	+7	+7	+4	+4	+6	+2	+4	+5	+6	+5
11	+1	0	+1	0	−4	0	−4	−1	−1	−2	−1	−1	0	−1	−2	−1
12	−1	−2	−4	−4	−7	−8	−10	−7	−1	−5	−5	−4	−3	−3	−8	−5
13	−2	−5	−5	−6	−8	−13	−11	−11	−3	−6	−6	−3	−4	−5	−11	−7
14	−3	−7	−8	−9	−10	−14	−11	−10	−6	−6	−9	−2	−5	−7	−11	−8
15	−4	−7	−11	−12	−10	−13	−11	−12	−8	−8	−11	−7	−7	−10	−11	−9
16	−6	−9	−11	−13	−10	−13	−11	−11	−7	−9	−11	−8	−9	−10	−11	−10
17	−7	−9	−10	−12	−9	−12	−11	−11	−6	−10	−12	−7	−9	−9	−11	−10
18	−7	−6	−9	−11	−9	−12	−10	−9	−5	−9	−10	−6	−7	−8	−10	−9
19	−7	−7	−11	−10	−9	−12	−9	−8	−3	−9	−10	−7	−7	−8	−9	−8
20	−6	−7	−9	−10	−9	−12	−9	−6	−5	−7	−10	−6	−7	−8	−9	−8
21	−7	−6	−8	−12	−9	−12	−10	−7	−2	−7	−10	−5	−7	−7	−9	−8
22	−5	−4	−7	−10	−10	−12	−10	−5	−3	−7	−9	−6	−6	−7	−9	−7
23	−6	−5	−7	−9	−10	−12	−10	−5	−3	−8	−8	−5	−6	−7	−9	−7
Non-cyclic change ($a_{24}-a_0$)	+2·3	+9·6	+4·1	+4·7	+4·4	+5·5	+0·6	+4·2	+2·9	+2·1	−0·7	+3·2				

DIURNAL VARIATION OF Y, 1934.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
0	−4	−3	−2	+2	+5	+7	+6	+6	+5	0	−2	−3	−3	+1	+6	+1
1	−5	−5	−2	+5	+14	+11	+16	+15	+15	0	−3	−4	−4	+4	+14	+5
2	−6	−3	0	+13	+22	+21	+25	+22	+27	+5	−5	−3	−4	+11	+22	+10
3	−2	−2	+8	+15	+21	+26	+26	+22	+27	+11	−1	+2	−1	+15	+24	+13
4	+8	+7	+14	+13	+12	+19	+20	+14	+10	+7	+3	+5	+6	+11	+16	+11
5	+11	+9	+14	+6	−2	+17	+10	−4	−8	+1	0	+2	+4	+3	+5	+4
6	+2	+2	+7	−8	−14	−9	−6	−18	−25	−8	+1	−8	0	−9	−12	−7
7	−8	−4	−4	−15	−23	−22	−21	−25	−34	−15	−14	−11	−9	−17	−28	−16
8	−9	−4	−10	−18	−24	−25	−24	−29	−31	−13	−7	−8	−7	−18	−25	−17
9	−7	−3	−11	−14	−18	−21	−24	−20	−19	−9	−1	+3	−4	−13	−21	−13
10	−2	−2	−4	−9	−8	−15	−19	−7	−3	−1	+1	+1	−1	−4	−12	−6
11	+3	−1	+3	0	−2	−9	−10	+4	+7	+3	+4	+4	+2	+3	−4	0
12	+4	−1	+3	+4	+2	−3	−2	+7	+9	+3	+5	+4	+3	+5	+1	+3
13	+2	−1	+1	+2	+3	0	+1	+5	+4	+1	+4	+3	+2	+2	+2	+2
14	+3	+1	−1	−2	0	−3	−3	−2	0	+1	+3	+5	+3	0	−2	0
15	+2	+1	1	−2	−2	−3	−4	−3	−1	+1	+3	+4	+3	0	−3	0
16	+2	+1	−2	+1	−2	−3	−3	−2	0	+1	+3	+4	+2	0	−2	+1
17	+1	+2	−1	−1	0	−2	0	−1	+1	+1	+3	+3	+2	0	−1	+1
18	+1	+1	0	+1	+1	0	+2	0	+1	+2	+3	+3	+2	+1	+1	+1
19	+1	+2	0	+2	+2	+4	−2	+2	+2	+2	+4	+3	+3	+2	+1	+2
20	+1	+2	+1	+2	+3	+6	+2	+2	+2	+2	+4	+3	+2	+2	+3	+3
21	+1	+1	0	+3	+4	+6	+4	+3	+3	+2	+3	+1	+2	+2	+4	+3
22	0	0	0	+3	+3	+6	+4	+3	+3	+2	+1	+1	0	+2	+4	+2
23	−1	−1	−1	+2	+3	+6	+4	+4	+4	0	−1	+2	−1	+1	+4	+2

DIURNAL VARIATION OF Z, 1934.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
0	0	+2	+5	+2	+7	+5	+7	+4	+6	+2	+1	+2	+1	+4	+6	+3
1	0	0	+5	+5	**+12**	+9	+13	+7	**+12**	+4	0	+2	+1	+7	**+10**	+6
2	+1	+1	+7	+5	+11	**+10**	+12	+8	+11	**+8**	0	+2	+1	**+8**	+10	**+6**
3	+5	+2	+9	−1	+2	+5	+7	+2	−3	+3	+3	**+4**	+3	+2	+4	+3
4	+8	+7	+5	−7	−11	−8	−3	−11	−20	−5	+1	−2	**+4**	−7	−8	−4
5	−1	+1	−3	−13	−15	−18	−14	**−20**	−28	−12	−7	−11	−5	−14	−17	−12
6	−14	−8	−11	**−16**	**−16**	**−22**	**−23**	−20	**−31**	**−17**	**−11**	**−12**	**−11**	**−19**	**−20**	**−17**
7	**−15**	**−10**	**−17**	−15	−13	−20	−22	−17	−22	−15	−5	−7	−9	−10	−18	−12
8	−10	−5	−15	−9	−7	−13	−14	−9	−7	−5	+3	−4	−4	−9	−11	−8
9	−5	−3	−3	−2	−1	−7	−6	+3	+4	+1	+3	+1	−1	0	−4	−1
10	−1	−1	+3	+3	+4	0	0	**+11**	**+11**	+4	+3	+3	+1	+5	+4	+3
11	+4	−1	+3	+5	+6	+5	+6	**+11**	**+11**	+3	**+4**	+3	+3	+6	+7	+5
12	+3	+1	−1	+4	+5	+6	+7	+9	+6	0	+1	+2	+2	+2	+7	+4
13	+3	+1	−1	+1	+1	+3	+3	+2	−1	+1	0	+2	+2	0	+2	+1
14	+3	+2	**0**	0	−1	+1	−1	−2	0	+1	+1	+2	+2	0	+1	+1
15	+3	+2	+1	+1	−1	+2	+1	0	+3	+2	+1	+2	+2	+2	+1	+1
16	+2	+2	+1	+3	0	+4	+2	+1	+4	+2	+1	+1	+2	+3	+2	+2
17	+2	+2	+2	+5	+2	+5	+3	+2	+5	+3	+2	+2	+2	+4	+3	+3
18	+3	+2	+3	+5	+3	+6	+3	+3	+7	+4	+1	+2	+2	+5	+4	+3
19	+2	+2	+3	**+6**	+3	+6	+3	+3	+7	+4	+1	+2	+2	+5	+4	+3
20	+2	+1	+2	+5	+2	+6	+3	+3	+7	+3	0	+2	+1	+4	+4	+3
21	1	+1	+1	+5	+2	+5	+3	+3	+7	+3	−1	+1	+1	+4	+3	+3
22	+2	0	+1	+4	+2	+5	+3	+3	+6	+3	−1	+1	+1	+3	+3	+3
23	0	−1	+1	+4	+3	+5	+3	+4	+7	+3	+2·0	+1	0	+3	+4	+2
Non-cyclic change $a_{24}-a_0$.	+6·4	+5·5	+5·5	+6·4	−4·4	−5·2	−3·0	−1·9	+1·9	−3·1						

DIURNAL VARIATION OF I, 1933.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
0	+0·1	+0·3	+0·6	+0·4	+0·8	+0·8	+0·8	+0·5	+0·5	+0·3	+0·4	+0·2	+0·3	+0·5	+0·7	+0·5
1	+0·1	+0·1	+0·6	+0·6	**+1·1**	**+1·0**	**+1·2**	**+0·7**	+1·0	+0·5	+0·3	+0·3	+0·2	+0·7	**+1·0**	**+0·6**
2	+0·3	+0·1	+0·6	+0·4	+0·9	+1·0	+1·1	+0·6	**+1·1**	**+0·8**	+0·1	+0·1	+0·1	**+0·7**	+0 9	+0·6
3	**+0·5**	−0·1	**+0·7**	−0·2	+0·8	+0·3	+0·4	−0·2	+0·1	+0·2	0	+0·2	+0.1	+0·1	+0·2	+0·5
4	+0·5	+0·1	−0·1	−0·9	−1·4	0	−0·6	−1·3	−1·6	−0·7	−0·2	−0·4	0	−0·8	−0.8	−0·2
5	−0·4	−0·5	−0·9	−1·7	−1·9	−2·4	−1·9	**−2·2**	−2·5	−1·6	−1·3	−1·3	−0·9	−1·7	− 2·2	−1·6
6	−1·6	**−1·3**	−1·8	**−2·2**	**−2·2**	**−2·9**	**−2·9**	−2·2	**−2·9**	**−2·1**	**−1·9**	**−1·5**	**−1·6**	**−2·3**	**−2·5**	**−2·1**
7	**−1·7**	−1·2	**−2·2**	−2·1	−1·9	−2·7	−2·7	−2·0	−2·2	−2.1	−1·4	−1·2	−1·4	−2·1	−2·3	−1·9
8	−1·3	−0·8	−1·7	−1·5	−1·2	−2·0	−2·0	−1·2	−1·0	−1·1	−0·6	−0·7	−0·9	−1·3	−1·3	−1·3
9	−0·7	−0·4	−0·6	−0·6	−0·5	−1·2	−1·4	−0·2	0	−0·3	−0·2	−0·1	−0·3	−0·4	−0·8	−0·5
10	−0·3	−0·2	0	0	+0·2	+0·3	−0·3	−0·6	+0·7	+0·2	0	+0.1	−0·1	+0 2	+0·1	+0·1
11	+0·2	0	+0·2	+0·4	+0·6	+0·4	+0·5	+0·8	+0·9	+0·3	+0·3	+0·2	+0·2	+0·5	+0·6	+0·4
12	+0·4	+0·2	+0·1	+0·4	+0·6	+0·7	+0·9	+0·9	+0·4	+0·2	+0·3	+0·2	+0·3	+0·3	+0·8	+0·4
13	+0·3	+0·3	+0·1	+0·3	+0·4	+0·8	+0·6	+0·5	0	+0·2	+0·2	+0·2	+0·3	+0·1	+0·6	+0·3
14	+0·4	+0·4	+0·3	+0·3	+0·3	+0·6	+0·4	+0·3	+0·2	+0·3	+0·4	+0 3	+0·4	+0·3	+0·4	+0·3
15	+0·4	+0·4	+0·4	+0·5	+0·3	+0·7	+0·5	+0·4	+0.5	+0·5	**+0·5**	**+0·4**	+0·4	+0·5	+0·5	+0·5
16	**+0·4**	**+0·5**	+0·5	+0·7	+0·4	+0·7	+0·6	+0·5	+0·5	+0·5	+0·5	+0·4	**+0·5**	+0·5	+0·5	+0·5
17	+0·5	+0·5	+0·6	**+0·8**	+0·5	+0·8	+0·6	+0·5	+0·6	+0·6	+0·5	+0·4	+0·5	+ 0·7	+0·6	+0·6
18	+0·4	+0·3	+0·5	+0·8	+0·5	+0.8	+0·7	+0·5	+0·7	+0·6	+0·5	+0·4	+0·4	+0·7	+0·6	+0·6
19	+0·4	+0·3	+0·6	+0·8	+0·5	+0·9	+0·6	+0·5	+0·6	+0·6	+0·5	+0·4	+0·4	+0·7	+0·6	+0·6
20	+0·3	+0·4	+0·4	+0·7	+0·5	+0·9	+0·5	+0·4	+0·7	+0·6	+0·4	+0·3	+0·3	+0·6	+0·6	+0·5
21	+0·3	+0·2	+0·4	+0·8	+0·5	+0·8	+0·5	+0·5	+0·6	+0·5	+0·3	−0·3	+0·3	+0·6	+0·6	+0·5
22	+0·3	+0·2	+0·3	+0·7	+0·5	+0·8	+0·6	+0·4	+0·6	+0·5	+0·3	−0·3	+0.3	+0·5	+0·6	+0·5
23	+0·2	+0·2	+0·3	+0·6	+0·5	+0·7	+0·6	+0·5	+0·6	+0·5	+0·2	−0·3	+0·2	+0·5	+0·6	+0·4

DIURNAL VARIATION OF F, 1933.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
0	−4	−3	−2	−5	−4	−8	−5	−4	−1	−5	−8	−3	−5	−3	−5	−4
1	−4	−3	−2	−3	−1	−4	−3	−1	+2	−3	−8	−1	−4	−1	−2	−3
2	−3	−1	0	0	+3	+1	+1	+3	−2	−1	−3	0	−2	−1	+2	0
3	+1	+6	+5	+2	+6	+6	+5	+8	−6	+1	+5	+4	+4	0	+6	+3
4	+5	+15	+11	+6	+10	+10	+9	+8	−6	+6	+7	+4	+8	+4	+9	+7
5	+7	**+17**	+16	+13	+15	+17	+15	+8	−2	+12	+15	+7	+11	+10	+14	+12
6	+8	+13	**+18**	+18	**+17**	+21	+17	+10	+1	**+16**	+21	**+11**	**+13**	**+16**	+16	+15
7	+8	+8	+15	**+19**	+17	**+21**	+18	+10	+5	+16	**+23**	+11	+13	+13	**+17**	+14
8	**+9**	+7	+10	**+16**	+14	+19	**+18**	+10	+10	+15	+22	+9	+12	+13	+15	+13
9	+8	+3	**+9**	+12	+10	+14	+14	**+14**	**+10**	+10	+13	+5	+7	+10	+13	+10
10	+7	+1	+5	+6	+4	+8	+7	+11	+8	+5	+6	+3	+4	+6	+7	+6
11	+3	−1	0	+3	−1	+2	−1	+4	+5	0	+1	+1	+1	+2	+1	+1
12	0	−1	−4	−2	−5	−5	−6	−2	+2	−4	−4	−3	−2	−2	−5	−3
13	−1	−4	−5	−5	−7	−10	−9	−9	−3	−5	−6	−2	−3	−5	−9	−5
14	−1	−6	−8	−9	**−9**	**−12**	**−10**	−10	−5	−5	−8	−1	−4	**−7**	**−11**	−7
15	−3	−5	−9	−10	−9	−11	−9	**−11**	**−6**	−7	−9	−5	−6	− 8	−10	−8
16	−5	**−8**	**−10**	**−11**	−9	−10	−9	−10	−4	−7	−10	−7	−7	−8	−9	**−8**
17	−5	−7	−8	−9	−8	−9	−8	−9	−3	**−8**	**−11**	−5	−7	−7	−9	−7
18	−5	−5	−7	−7	−7	−8	−7	−7	−1	−7	−9	−5	−6	−5	−7	−6
19	−5	−5	−8	−7	−7	−8	−7	−6	0	−7	−8	−5	−6	−5	−7	−6
20	−5	−6	−7	−7	−7	−9	−7	−4	−1	−5	−9	−4	−6	−5	−7	−9
21	−5	−5	−7	−9	−7	−9	−7	−5	+1	−6	−9	−4	−6	− 5	−7	−6
22	−4	−4	−6	−8	−8	−9	−7	−3	0	−5	−8	−5	−5	− 5	−7	−6
23	−5	−5	−6	−6	**−8**	−9	−7	−3	0	−6	−8	−4	−5	−5	−7	−6

DECLINATION (WESTERLY), 1934.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JANUARY. 0° PLUS TABULAR QUANTITIES

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	16·2	16·2	16·3	15·7	14·7	14·3	15·6	16·7	16·6	16·6	16·3	15·5	15·0	14·7	14·6
2	16·1	16·4	16·3	15·4	15·1	15·3	15·7	15·6	15·6	15·5	14·9	14·1	14·5	14·8	14·7
3	16·0	16·3	16·6	16·5	15·7	15·4	16·0	16·4	15·9	14·9	14·8	14·6	14·6	14·8	15·0
4	16·1	16·3	16·2	15·2	14·3	14·4	15·4	15·9	16·5	16·4	15·5	14·6	14·7	15·2	15·1
5†	15·9	15·8	15·8	15·5	14·6	15·0	16·8	18·1	17·6	17·0	16·3	15·2	14·7	14·9	15·0
6†	16·0	16·1	16·1	15·4	14·1	13·9	15·3	15·3	15·3	15·7	15·7	15·5	15·3	15·3	15·3
7	16·1	16·3	16·6	16·4	15·4	15·0	15·6	15·7	15·4	15·4	14·7	14·3	14·5	14·9	15·3
8	16·4	16·6	16·7	16·3	15·7	15·9	16·5	16·4	16·2	15·7	15·1	14·8	15·0	15·6	15·4
9†	16·2	16·3	16·7	16·5	15·7	15·6	15·7	16·7	17·0	16·3	15·4	14·9	15·1	15·5	15·5
10	15·8	16·0	16·1	15·7	14·8	15·0	15·8	16·4	16·7	16·7	15·7	14·9	15·0	15·2	15·4
11	15·9	16·2	15·9	15·8	15·6	15·8	16·7	17·6	18·4	17·5	16·4	15·7	15·3	15·5	15·5
12†	16·2	16·3	16·1	15·5	14·5	13·8	14·2	15·4	16·4	16·7	16·3	15·7	15·6	15·7	15·6
13†	16·0	16·1	16·3	16·3	15·8	15·1	15·1	16·0	16·0	15·7	15·7	15·8	15·8	15·7	15·7
14	16·1	16·1	16·5	15·9	15·0	14·1	14·0	14·2	13·9	13·9	14·7	15·1	15·4	15·4	15·4
15	15·3	16·0	16·6	16·5	15·7	14·3	14·2	15·6	15·7	15·0	14·8	14·7	14·8	15·5	15·1
16	15·8	15·9	16·0	15·9	15·1	14·9	16·4	17·0	16·1	15·5	15·0	15·2	16·1	15·9	15·6
17	16·1	16·3	16·5	16·1	15·6	14·9	14·7	15·3	15·4	14·9	14·9	15·0	15·2	15·4	15·4
18	16·3	16·7	16·7	15·8	15·2	15·4	16·5	17·4	16·8	16·3	15·3	15·1	15·7	15·9	15·8
19	15·9	16·0	16·2	16·0	16·0	16·4	17·2	17·9	17·4	16·9	16·2	15·5	15·1	15·4	15·6
20	16·0	16·1	15·9	15·0	14·1	15·2	17·1	17·7	17·3	16·6	16·0	15·4	15·0	15·2	15·6
21	16·5	16·4	16·5	16·0	14·9	14·7	16·0	17·2	16·5	16·2	16·3	15·8	15·3	15·3	15·2
22	15·9	15·9	16·0	15·3	14·3	14·7	16·0	16·7	16·2	15·9	15·7	15·3	15·1	15·0	15·1
23	16·1	16·3	16·9	16·5	15·3	14·0	15·4	17·1	16·5	15·3	15·1	15·2	15·1	15·0	15·1
24	15·8	15·8	16·0	15·6	14·7	14·3	15·5	17·2	17·3	16·9	16·1	15·4	15·3	15·4	15·2
25	15·9	16·2	16·2	15·9	15·3	14·5	14·4	15·7	18·1	18·1	17 2	16·0	15·1	15·2	15·2
26	15·9	16·2	16·1	15·4	15·1	14·9	14·6	15·7	16·6	17·2	17·2	16·3	15·8	15·5	15·3
27	15·9	16·4	16·4	16·1	14·9	14·2	14·9	15·5	15·5	15·3	15·8	15·7	15·3	15·2	15·1
28	15·7	15·7	15·8	15·9	15·5	15·3	16·0	15·9	15·6	16·2	17.0	16·5	16·1	15·5	15·1
29	16·7	17·3	17·4	15·9	13·5	12·9	14.7	15·3	15·8	15·2	15·5	15·5	15·4	15·2	15·2
30	16·3	16·6	16·6	15·8	15·3	15·2	15·3	15·1	15·1	15·5	16·1	16·2	16·0	15·7	15·6
31	16·1	16·2	17·0	16·2	14·9	14·7	16·0	16·5	15·3	14·7	14·7	14·7	14·7	15·2	15·2
Mean . .	16·0	16·2	16·3	15·9	15·0	14·8	15·6	16·3	16·3	16·0	15·7	15·3	15·2	15·3	15·3
Mean† . .	16·0	16·1	16·2	15·8	14·9	14·6	15·4	16·3	16·5	16·3	15·9	15·4	15·3	15·4	15·4

FEBRUARY.

1†	15·7	15·8	16·2	15·6	14·0	13·9	14·9	15·3	15·4	15·4	15·3	15·3	15·1	15·1	15·3
2	15·9	16·2	16·7	16·2	15·5	14·5	14·8	15·5	15·5	14·8	15·1	15·2	15·2	15·2	15·2
3	16·1	16·3	16·5	16·3	15·6	14·9	14·9	15·1	15·3	15·9	16·3	16·3	15·7	15·3	15·4
4	16·0	16·3	16·4	15·8	14·5	13·5	13·3	14·1	14·5	14·9	14·7	14·6	14·4	14·7	15·1
5	15·4	15·5	16·1	15·5	14·8	14·1	15·1	16·4	16·3	16·1	15·5	15·2	14·9	15·0	15·1
6†	15·4	15·9	15·9	15·2	14·2	13·9	14·9	16·0	15·9	15·6	15·6	15·6	15·3	15·2	15·3
7	15·8	16·0	16·0	15·3	14·5	14·4	15·0	16·4	16·7	17·1	17·4	17·2	16·5	15·8	15·5
8	15·9	16·1	16·1	15·7	15·3	14·6	14·0	14·1	14·6	15·4	15·5	15·4	15·5	15·5	15·4
9	16·6	17·4	17·4	16·3	15·5	15·0	14·5	14·1	14·0	14·5	15·3	16·0	16·0	15·7	15·5
10	15·4	15·5	15·6	15·4	14·9	15·0	15·5	15·4	15·1	15·5	15·5	15·0	14·9	15·1	15·1
11	15·6	15·7	15·8	15·5	15·5	16·3	16·6	16·4	15·5	14·8	14·7	15·1	15·1	15.2	15·2
12	16.2	16·3	16·3	15·5	14·5	14·7	15·0	15·1	15·0	15·0	15·3	15·4	15·5	15·6	15·5
13	16·1	16·3	16·8	16·5	15.8	15·4	15·5	15·6	15·5	15·0	14·7	15·0	15·4	15·5	15·5
14†	15·4	15·9	16·3	16·3	15·6	15·0	14·7	14·8	14·4	14·3	14·7	15·4	15·7	15·7	15·5
15	16·0	16·1	16·4	16·1	15·4	14·7	14·4	14·4	14·0	13·5	14·2	15·7	16·4	16·6	16·4
16	16·1	16·6	17·2	17·3	16·6	15·6	15·0	14·5	14·6	14·4	14·2	14·6	15·6	15·7	14·3
17	15·2	15·7	16·3	16·9	17·5	17·6	17·3	16·5	14·9	14·3	14·1	14·5	15·2	15·3	15·2
18	15·3	15·7	16·1	15·7	15·0	14·9	14·8	15·0	15·1	15·9	15·5	15·4	15·5	15·1	14·9
19	15·6	15·9	15·9	15·6	15·0	14·6	14·7	14.6	15·0	14·9	15·1	15·4	15·4	15·2	15·1
20	15·5	15·7	15·8	15·5	15·2	14·9	14·7	15·6	16·2	16·8	16·3	15·9	15·8	15·5	15·2
21	15·5	15·5	15·5	15·4	15·1	14·7	15·0	15·4	15·5	15·5	15·5	15·6	15·7	15.6	15·5
22	16·1	16·4	16·5	16·5	16·0	15·6	15·5	15·5	15·4	15·2	15·0	15·3	16·0	16·0	15·6
23†	15·6	15·7	16·2	15·8	15·5	15.6	15·6	16·1	16·5	16·4	16·0	15·5	15·7	15·8	15·6
24	16·1	16·3	16·5	16·2	15·9	15·8	15·3	15·3	15·5	15·1	14·6	14·7	15·2	15.6	15·4
25	15·7	16·0	15·9	15·6	15·9	15·9	16·0	16·3	16·1	16·1	15·8	15·2	14·7	15·4	15·6
26†	15·7	15·5	15·1	14·6	14·5	14·8	15·8	16·6	16·8	17·1	16·8	16·1	15·9	15·9	15·7
27	15·9	15·6	15·1	14·3	13·6	13·9	15·0	16·2	17·5	17·6	16·8	16·0	15·3	5·3	15·7
28	15·7	15·5	15·2	14·4	13·7	13·9	15·3	16·5	16·4	16·1	15·9	15·8	15·5	15.8	15·7
Mean . .	15·8	16·0	16·1	15·7	15·2	14·9	15·1	15·5	15·5	15·5	15·4	15·4	15·5	15·5	15·4
Mean† . .	15·7	15·9	15·8	15·6	14·9	14·7	15·3	15·8	15·9	15·8	15·7	15·6	15·5	15·6	15·4

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JANUARY. 0° PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
14·8	15·2	14·1	14·0	14·3	15·1	15·7	15·9	15·9	15·4	17 16	13·2	7 12	16·7	1
14·9	14·8	15·1	15·4	15·6	15·4	15·5	15·6	15·9	15·3	11 4	13·7	1 2	16·6	2
14·8	14·7	15·0	15·3	15·5	15·6	15·7	15·8	15·9	15·5	11 26	14·4	2 0	16·6	3
15·1	15·3	15·4	15·4	15.5	15·6	15·6	15·8	15·8	15·5	4 34	13·9	8 0	16·6	4
15·1	15·3	15·5	15·6	15·6	15·6	15·6	15·6	15·7	15·7	4 12	14·3	6 50	18·3	5†
15·3	15·5	15·7	15·7	15·7	15·7	15·7	15·7	15·7	15·5	4 30	13·6	1 20	16·4	6†
15·4	15·5	15·6	15·3	15·4	15·4	15·5	15·5	15·8	15·5	11 20	14·1	2 16	16·8	7
15·4	15·4	15·4	15·4	15·6	15·8	15·9	15·9	16·1	15·8	11 2	14·7	0 30	16·7	8
15·5	15·4	15·6	15·5	15·4	15·4	15·3	15·4	15·6	15·7	11 30	14·8	7 30	17.4	9†
15·6	15·6	15·7	15·7	15·5	15·5	15·6	15·7	15·7	15·7	4 20	14·7	8 10	16·8	10
15·5	15·5	15·6	15·6	15·7	15·7	15·7	15·8	15·9	16·0	12 0	15·3	7 56	18·6	11
15·6	15·7	15·6	15·5	15·5	15·4	15·5	15·7	15·8	15·6	5 18	13·6	9 6	16·7	12†
15·6	15·5	15·5	15·5	15·5	15·5	15·7	15·7	15·9	15·7	5 36	15·0	2 54	16·5	13†
15·4	15·1	15.0	14·9	14·4	14·3	14·4	14·3	14·9	14·9	5 30	13·8	2 4	16·5	14
15·3	15·3	15.3	15·2	14·8	14·7	14·8	15·1	15·7	15·3	5 40	13·8	2 30	16·9	15
15·5	15·6	15.6	15·6	15·5	15·8	15·8	15·8	16·0	15·7	5 0	14·7	7 14	17·1	16
15·4	15·6	15·6	15·7	15·6	15·6	15·6	15·8	16·0	15·5	5 56	14·6	1 58	16·6	17
15·7	15·6	15·4	15·5	15·4	15·5	15.1	15·2	15·6	15·8	10 42	15·0	6 50	17·5	18
15·6	15·5	15·5	15·5	15·6	15·6	15·7	15·8	16·0	16·0	11 30	15·1	6 48	18·0	19
15·7	15·7	15·7	15·8	15·8	15·7	15·9	16·0	16·2	15·9	3 58	14·0	6 30	18·1	20
15·3	15·3	15·3	15·2	15·5	15·7	15·8	16·0	15·9	15·8	4 50	14·4	6 50	17·2	21
15·2	15·2	15·3	15·3	15·2	15·5	15·7	15·4	15·5	15·5	4 30	14·1	6 50	16·8	22
15·1	15·1	14.9	14·8	14·9	15·3	15·2	15·1	15·6	15·4	5 2	13·8	6 56	17.2	23
15·1	15·1	15·1	15·1	15·2	15·2	15·3	15·3	15·8	15·6	5 2	14·1	7 50	17·6	24
14·9	14·9	15·0	15·2	15·1	15·1	15·3	15·5	15·9	15·7	5 50	14·2	8 20	18·7	25
15·2	15·2	15·3	15·2	15·2	15·1	15·0	15·2	15·7	15·6	5 54	14·4	9 50	17·4	26
15·3	15·3	15·3	15·3	15·3	15·5	15·5	15·3	15·7	15·4	5 20	14·0	2 18	16·6	27
15·5	15·6	15·6	15·5	15·4	15·4	15·9	16·1	16·1	15·8	13 50	15·0	10 10	17·2	28
15·2	15·3	15·4	15·5	15·5	15·6	15·7	15.9	16·1	15·5	4 50	12·5	1 48	17·7	29
15·7	15·7	15·7	15·8	15·8	15·9	16·0	15·7	15·8	15·8	6 50	14·9	0 58	16·9	30
15·3	15·3	15·2	15·2	15·0	15·2	15·2	15·2	15·6	15·4	9 30	14·7	2 14	17·1	31
15·3	15·3	15·3	15·3	15·3	15·4	15·5	15·6	15·8	15·6					Mean.
15·4	15·5	15·6	15·6	15·5	15·5	15·6	15·6	15·7	15·7					Mean.†

FEBRUARY.

15·4	15·4	15·3	15·3	15·3	15·3	15·5	15·6	15·7	15·3	4 40	13·6	2 2	16·4	1†
15·2	15·2	15·3	15·3	15·3	15·4	15·2	15·1	15·8	15·4	5 10	14·3	1 54	16·9	2
15·4	15·4	15·5	15.4	15·4	15·3	15·3	15·3	15·5	15·6	5 30	14·6	9 44	16·6	3
15·3	15·1	14·9	15·1	15·3	15·3	15·1	15.1	15·4	14·9	5 44	13·1	1 6	16·5	4
15·3	15·4	15·2	15·1	14·5	14·7	15·1	15·4	15·3	15·3	5 20	13·7	7 0	16·6	5
15·3	15·4	15·4	15·4	15·3	15·4	15·4	15·5	15·6	15·3	4 42	13·7	0 50	16·0	6†
15·4	15·4	15·4	15·3	15·3	15·4	15·4	15·5	15·7	15·8	4 50	14·3	10 0	17·5	7
15·4	15·4	15·4	15·4	15·3	15·4	15·5	16·0	16·1	15·4	6 0	13·9	23 50	16·5	8
15·1	15·0	14·3	14·3	14·8	15·0	15·0	14·9	15·2	15·3	17 36	13·6	1 10	17·7	9
14.5	15·0	15·1	15·1	15·3	15·2	15·2	15·3	15·4	15·2	15 10	14·3	1 30	15·9	10
15·2	15·2	15·3	15·3	15·1	15·0	15·1	15·3	15·5	15·4	9 10	14·5	5 34	17·1	11
15·4	15·3	15·3	15·3	15·3	15·2	15·4	15·6	16·0	15·4	4 30	14·3	1 46	16·5	12
15·4	15·4	15·3	14·9	14·9	14·7	14·9	15·2	15·4	15·4	9 50	14·7	2 10	16·9	13
15 4	15·4	15·4	15·4	15·4	15·4	15·5	15·5	15·6	15·4	8 40	14·3	2 30	16·4	14†
15·9	15·7	15·4	15·2	15·3	15·2	15·4	15·5	15·9	15·4	9 10	13·4	12 34	16·9	15
14·2	14·7	14·9	15·1	14.3	14·1	13·9	14·9	15·1	15·2	14 16	12·9	2 30	17·5	16
14·7	14·9	14·9	15·3	15·3	15·3	15·2	14·7	14·8	15·5	9 50	13·6	4 38	18·1	17†
15·3	15·3	15·4	15·3	15·0	15·1	15·2	15·3	15·4	15·3	13 42	14·6	2 6	16·4	18†
15·3	15·3	15·3	15·4	15·4	15·4	15·4	15·3	15·3	15·3	4 38	14·6	1 46	16·0	19
15·1	15·1	15·3	15·3	15·1	15·4	15·4	15·5	15·4	15·5	5 40	14·5	9 0	17·0	20
15·5	15·5	15·5	15·5	15·5	15·5	15·5	15·5	15·7	15·5	4 58	14·6	12 34	16·0	21
15·6	15·5	15·5	15·4	15·5	15·5	15·5	15·5	15·6	15·7	10 20	14·9	2 44	16·7	22
15·5	15·4	15·5	15·6	15·6	15·7	15·7	16·0	16·0	15·8	16 20	15·2	8 10	16·5	23†
15·5	15·5	15·4	15·3	14·9	15·1	15·1	15·7	15·6	15.5	10 10	14·5	1 38	16·7	24
15·6	15·6	15·7	15·7	15·6	15·6	15·6	15·7	15·7	15·7	12 18	14·6	6 58	16·4	25
15·7	15·7	15·6	15·7	15·6	15·6	15·6	15·6	15·7	15·7	3 52	14·4	8 16	17·1	26†
15·7	15·7	15·5	15·3	15·2	15·3	15·5	15·7	15·7	15·5	4 0	13·5	8 38	17·7	27
15·6	15·3	15·3	15·5	15·5	15·7	15·8	15·8	15·9	15·5	4 14	13·5	7 10	16·5	28
15·3	15·3	15.3	15·3	15·2	15·3	15·3	15·5	15·6	15·4					Mean.
15·4	15·4	15·3	15·4	15·3	15·3	15·4	15·5	15·6	15·5					Mean†

* The daily mean values of declination derived from 24 hourly tabulations has been corrected for progressive change by 1/48th of the difference between the values of the initial and terminal hours.

†Five international quiet days.

DECLINATION (WESTERLY), 1934.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

MARCH. 0° PLUS TABULAR QUANTITIES.

Date.	Hours. (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	16·1	16·3	16·6	15·6	14·7	14·8	15·4	16·0	15·9	15·9	16·0	15·6	15·6	15·9	16·0
2	16.3	16·3	16·2	15·7	15·3	15·2	15·5	15·6	16·3	16·9	16·5	15·6	14·6	15·3	15·7
3	15·1	15·9	15·9	15·7	15·6	15·6	16·0	16·5	16·6	16·2	15·7	15·5	15 5	15·8	15·7
4	16·3	16.3	16·5	16·1	15·1	14·5	14·8	15·7	16·7	16·7	16·1	15·3	14·9	15·0	15·3
5	14·4	14·8	14·6	14·2	14·4	14·9	15·9	16·1	15·5	16·0	15·6	14·7	15·1	14·9	15·2
6	15·6	15·5	15·5	14·8	13·7	13·4	13·7	13·9	14·4	14·8	14·3	14·6	15·3	15·4	15·2
7	15·9	15·8	15·9	15·6	15·2	15·2	15·9	16·7	16·8	16·6	15·7	15·7	15·5	15·5	15·3
8	15·4	15·7	15.7	15·1	14·3	14·0	14·7	15·6	16·3	16·2	15·6	15·2	15·2	15·4	15·4
9	15.8	15·8	15·8	15·7	15·4	15·3	15·9	16·7	17·3	17·1	16·4	15·7	15·6	15·8	15·9
10	16·1	16·6	16·3	15·6	14·8	14·4	14·5	15·1	15·7	15·5	15·6	15·6	15·8	15·9	15·8
11	16·1	16·1	15·9	15·6	15·0	15·6	15·9	15·9	16·1	15·9	15·7	15·6	15·7	15·9	15·9
†12	15·9	15·9	15·5	14·9	14.3	14·5	15·1	15·9	16·8	17·0	16·3	15·8	15·8	15·9	15·8
†13	16·0	16·0	15·9	15·4	15·1	15·4	15·7	15·9	16·1	16·4	15·9	15·5	15·8	16·0	16·0
†14	16·4	16·4	16.2	15·4	14·3	13·9	14·9	16·3	17·3	17·2	16·4	15·7	15·6	15·5	15·9
15	16·2	16·5	16·0	15·1	14·5	14·6	16·2	17·3	17·6	16·9	16·3	15·7	15·4	15·3	16·0
16	16·2	16·5	16·4	15·5	14.9	14·8	14·7	15·5	16·2	16·1	16·0	16·0	15·9	15·9	16·0
17	16·3	15·9	15·9	15·0	14·9	15·1	15·9	16·4	16·3	16·9	16·3	15·9	15·8	15·9	16·1
18	16·3	16·4	15·9	15·0	14·6	15·0	15·3	16·3	17·0	17·5	17·1	16·5	16·1	15·9	16·0
†19	16·0	16·0	15·7	14·8	14·6	14·5	15·6	17·0	17·3	17·3	16·7	15·7	15·3	15·8	16·2
†20	16·2	16·1	16·0	15·4	14·6	14·5	15·2	16·3	16·6	16·5	16·0	15·5	15·6	15·9	16·0
21	16·0	16·1	15·8	14·9	14.6	14·8	15·1	15·9	16·8	16·8	16·5	16·3	16·6	16·9	16·7
22	16·7	16·9	16·8	16·0	15·3	15·3	16·4	17·0	17·7	17·7	17·0	16·2	16·2	15·9	15·8
23	15·3	15·3	13·0	14·8	14·9	15·3	15·8	16·6	17·3	17·1	16·3	16·2	16·2	16·4	16·3
24	16·3	16·2	15·7	15·1	15·0	15·2	15·4	16·4	17·2	17·3	16·8	16·0	15·9	15·9	16·0
25	15·9	16·2	15·9	15.5	15·4	15·3	15·7	16·7	17·6	18·0	17·2	16·6	16·4	16·3	16·1
26	15·7	15·8	15·3	14·6	14·2	14·4	15·0	16·3	17·5	17·3	16·5	15·4	15·6	16·0	16·2
27	15·7	15·8	15·7	15·1	15·0	15·3	16·2	17·5	17·6	16·9	16·1	15·3	15·4	15·7	16·1
28	15·9	16·0	15·7	15·1	15·2	15·2	15·7	16·9	17·4	17·0	16·4	15·8	15·5	15·5	16·0
29	15·8	15·5	15·1	14·2	13·8	13·8	15·1	16·2	16·7	16·9	16·5	15·7	15·6	15·8	16·1
30	15·9	15·7	15·1	14·7	14·2	14·3	15·8	16·9	17·5	17·7	16·9	16·4	15·9	15·9	16·0
31	15·7	15·6	15·4	14·7	14·8	15·5	16·8	18·2	17·8	17·0	16·6	15·9	16·0	15·7	16·0
Mean .	15·9	16·0	15·8	15·2	14·8	14·8	15·5	16·3	16·8	16·7	16·2	15·7	15·7	15·8	15·9
Mean† .	16·1	16·1	15·9	15·2	14·6	14·5	15.3	16·3	16·9	16·9	16·3	15·7	15·6	15·8	16·0

APRIL.

1	15·7	15·7	15·1	14·8	14·4	14·2	15·8	16·9	17·5	17·0	15·7	15·2	15·7	16·1	16·2
2	15·8	16·4	15·5	14·7	14·3	14·8	15·8	17·1	17·1	16·9	16·8	16·2	15·9	15·9	15·9
3	16·0	16·1	15·5	14·5	13·6	13·9	15·2	16·5	17·5	17·4	17·5	16·9	16·4	16·2	16.0
4	15·8	16·1	16·0	15·4	15·3	15·7	16·5	17·6	18·1	17·4	16·5	16·2	16·1	15·8	16·0
5	15·5	15·7	15·2	14·8	14·8	15·5	16·4	17·4	17·9	17·6	16·7	16·2	16·4	16·3	16·1
6	15·7	15·7	15·7	15·3	14·7	14·6	15·4	16·6	17·7	18·1	17·7	16·8	16·1	15·7	16·0
7	15·7	16·1	16·2	15·8	15·1	15·4	16·3	17·5	17·5	17·2	16·7	16·1	15·5	15·6	15·6
8	15·8	15·6	14·7	13·8	14·0	15·1	16·3	17.7	17·9	16·9	15·8	14·9	14·7	15·2	15·5
9	15·7	15·4	14·8	14·6	14·5	14·8	15·7	16.6	16·6	16·4	16·2	15·5	15·4	15·7	15·8
10	15·6	15·2	14·5	14·7	15·4	15·8	16·5	16·7	16.5	16·1	15·8	15·2	15·2	15·5	15·7
11	15·7	15·0	14·0	14.2	15·1	16·0	17·0	17·8	17·5	17·1	16·3	16·1	15·9	16·2	16·3
12	15·9	15·5	14·4	13·4	13·1	14·3	16·1	17·7	18·9	18·3	17·5	16·6	16·1	15·9	16·1
†13	15·7	15·6	15·2	14·8	14·5	14·9	16·6	18·1	18·6	18·3	17·5	16·3	15·7	15·5	15·8
14	15·8	15·9	15·0	13·8	13·3	13·7	14·8	15·8	16·3	16·9	16·7	15·7	15·1	15·2	15·7
15	15·9	15·3	14·1	13·8	13·8	14·3	15·7	16·7	17·4	17·3	17·2	16·4	15·9	15·8	15·8
16	15·3	15·1	14·3	13·6	13·6	14·2	15·5	17·0	18·1	18·1	17·6	16·4	15·5	15·2	15·5
†17	15·5	15·1	14·1	13·9	13·9	14·5	15·5	16·7	17·2	17·1	16·8	16·2	15·3	15.2	15·6
†18	15·4	15·2	14·6	14·3	14·5	15·1	16·9	16·5	16·8	16·2	15·8	15·5	15·3	15·5	15·8
19	15·3	14·9	14·3	14·3	14·5	15·3	16·7	17·3	17·7	17·4	16·9	16·1	15·8	15·8	15·8
20	15·1	14·7	14·0	14·0	14·7	15·3	16·0	17·3	17·4	16·8	16·0	15·7	15·5	15·5	15·7
21	15·1	14·9	14·5	14·5	15·0	15·7	16·3	16·9	17·1	16·5	15·8	15·6	15·2	15·0	15·3
22	15·2	14·8	13·9	13·5	13·8	15·3	16·4	16·7	16·9	16·7	16·2	15·5	15·2	15·2	14·9
†23	14·9	14·5	13·8	13·6	14·3	15·3	16·2	17·2	17·7	17·2	16·5	15·7	15·7	16·3	16·6
24	16·5	16·3	15·4	14·5	15·1	16·7	17·6	17·7	17·7	17·0	16·8	16·7	16·5	16·6	16·9
25	16·6	16·3	15·3	15·2	15·5	16·2	17·1	17·7	18·1	17·7	17·5	16·9	16.5	16·5	16·7
26	16·5	16·1	15·4	15·2	15·4	16·3	16·9	17·7	17·9	17·7	17·8	17·5	17·0	16·6	16·5
27	16·5	16·1	15·1	15·1	15·8	16·8	17·7	18·3	18·5	18·3	17·2	16·7	16·1	16·5	16·6
28	15·9	15·3	14·7	15·3	15·7	16·8	17·8	18·4	18·4	17·9	17·5	16·8	16·5	16·6	16·9
†29	16·4	16·0	15·4	15·5	16·0	16·8	17·5	17·5	17·7	17·4	16·8	15·9	15·5	16·1	16·5
30	15·7	14·7	14·1	14·3	15·3	16·7	17·6	18·0	17·9	17·4	17·2	17·1	16·8	16·8	17·0
Mean .	15·7	15·5	14·8	14·5	14·6	15·3	16·4	17·3	17·6	17·3	16·8	16·1	15·8	15·9	16·0
Mean† .	15·7	15·4	14·7	14·5	14·7	15·3	16·6	17·3	17·7	17·3	16·7	15·9	15·5	15·7	16·1

†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

MARCH. 0° PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
16·0	15·9	15·8	15·7	15·6	15·9	16·0	16·0	16·1	15·8	4 42	14·6	1 58	16·5	1
15·8	15.4	15·4	15·3	15·4	15·3	15·1	15·1	15·1	15·6	12 4	14·3	8 50	17·1	2
15·7	15·9	15·9	15·7	15·6	15·6	15·7	15·7	15·9	15·8	0 0	15·2	8 8	16·9	3
15·1	15·0	15·4	15·0	14·8	14·3	14·4	14·3	14·6	15·3	20 22	13·6	9 8	16·8	4
15·1	15·4	15.4	15·1	15·1	15·2	15·6	15·8	15·8	15·2	2 58	13·8	6 44	16·6	5
15·5	15·6	15·6	15·3	15·4	15·5	15·5	15·6	15·7	15·0	5 0	13·1	16 50	15·8	6
14·9	15·5	15·5	15·6	15·4	15·3	15·4	14·9	15·9	15·6	4 30	14·7	8 0	17·1	7
15·6	15·6	15·6	15·6	15·5	15·4	15·5	15·6	15·6	15·4	4 54	14·0	8 0	16·3	8
15·9	15·8	15·8	15·8	15·8	15·5	15·6	15·8	15.8	15·9	4 42	15·0	8 0	17·4	9
15·8	15.8	15·8	15·7	15·5	15·5	15·5	15·7	15.8	15·6	5 22	14·1	1 30	16·7	10
15·8	15·8	15·8	15·9	15·7	15·8	15·3	15·5	15·7	15·8	4 10	15·0	8 2	16·4	11
15·7	15·8	15·7	15·6	15·6	15.6	15·6	15·6	15·8	15·7	4 16	14·3	8 50	17·2	12†
16·1	16·1	16·0	16·0	15·9	15·9	16·2	16·1	16·2	15·9	3 42	15.1	8 44	16·5	13†
15·9	16·2	16·1	16·1	15·9	15·9	16·1	16·2	16·2	15·9	4 54	13·7	8 30	17·6	14†
16·2	16·2	16·2	16·2	16·1	16·1	16·2	16·1	16·1	16·1	4 44	14·3	7 44	17·8	15
15·9	16·1	16·0	15·9	15·5	15·3	15·5	15·7	15·9	15·8	4 6	14·6	1 30	16·8	16
16·1	16·1	16·1	16·0	15·9	16·0	16·0	15·9	15·9	15·9	3 45	14·6	8 54	17·1	17
16·1	15·9	15·6	15·5	15·3	15·4	15·2	15·5	15·9	15·9	4 18	14·6	8 30	17·5	18
16.2	16·2	16·2	16·1	16·0	16·0	16·1	16·1	16·1	16·0	4 58	14·3	7 46	17·5	19†
16·0	16·2	16·2	16·1	16·0	15·9	15·8	15·8	15·9	15·8	4 38	14·4	7 46	16·7	20†
16·2	16·3	16·3	16·3	16·4	16·4	16·3	16·4	16.5	16·1	4 3	14·4	8 30	17·0	21
15·9	15·8	16·0	15·7	15·4	15·4	15·4	15·2	15·4	16·1	4 40	15·0	9 14	17·8	22
16·2	16·3	16·2	15·9	15·7	15·7	15·8	16·6	16.5	16·0	3 10	14·6	8 8	17·4	23
16·0	15·9	16·0	16·0	16·0	15·9	15·5	15·5	15.8	15·9	3 41	14·9	8 30	17·5	24
15·9	15·5	15·8	15·5	15·2	14·9	15·0	15.6	15·7	16·0	20 38	14·5	8 56	18.1	25
16·2	16·1	15·9	15·9	15·8	15·9	15·8	15·7	15·7	15·8	3 46	14·1	7 50	17·5	26
16·3	16·2	15·9	15·8	15·9	15·9	16·0	16.1	15·9	16·0	3 50	14·8	7 26	18·0	27
16·1	16.2	16·1	15·9	15·9	15·5	15·5	15·3	15·1	15·9	3 34	15·0	7 54	17·4	28
15·9	15·7	15·9	16·1	16·0	15·9	15·9	15·9	15·9	15·7	3 30	13·8	8 40	17·2	29
16·1	16·1	16·0	15·9	15·8	15·7	15·8	15·9	15.7	15·9	4 30	13·9	8 30	17·9	30
16·1	16·0	15·9	15·9	15·5	15.0	15·3	15·7	15·7	15·9	3 20	14·5	7 6	18·6	31
15·9	15·9	15·9	15·8	15·7	15·6	15·6	15·7	15·8	15·8					Mean.
16·0	16·1	16·0	15·9	15·9	15·9	15·9	15·9	16·0	15·9					Mean†.

APRIL.

16·2	15·9	15·7	15.5	15·5	15·7	15·9	15.7	15·9	15·7	4 30	14·2	8 10	17·8	1
15·9	15.9	15·8	15·6	15·5	15·5	15·6	15·7	15·9	15·9	3 40	14·2	7 18	17·5	2
15·8	15·4	15·3	15·1	15·0	15·0	14·9	14·9	15·7	15·7	4 36	13·6	9 38	17·8	3
15·8	15.7	15·5	15·8	15·1	14·5	14·4	14·5	14·9	15·9	21 30	13·8	7 54	18·2	4
15·7	15·6	15·3	15·3	15·0	14·9	15·0	15·3	15·8	15·9	3 0	14·7	7 44	18·2	5
15·9	15·9	15·7	15·7	15·4	15·2	15·4	15·7	15·7	15·9	4 52	14·4	9 0	18·5	6
15·8	15·9	15·7	15·7	15·7	15·7	15·7	15·7	15·6	16·0	4 22	14·7	7 40	17·9	7
15·7	15·6	15·6	15·5	15·5	15·4	15·3	15·3	15·5	15·5	3 22	13·5	7 36	18·2	8
15.9	15·9	15·7	15.6	15·7	15·7	15·7	15·7	15·7	15·6	4 0	14·4	7 14	16.7	9
15·7	15·6	15·6	15.6	15·6	15·6	15·6	15·7	15·7	15·6	2 10	14·2	6 30	17·0	10
16·3	16·3	16·2	16·0	15·8	15·6	15·6	15·7	15·8	16·0	2 20	13·9	7 0	17·9	11
16·0	15·8	15·5	15·5	15·5	15·5	15·5	15·5	15·7	15·8	3 40	13·0	8 2	19·1	12
15·6	15·3	15.3	15·3	15·3	15·3	15·4	15·5	15·6	15·9	4 10	14·3	7 50	18.7	13†
15·8	15·7	15·6	15·5	15·6	15·4	15·5	15·8	15·9	15.5	3 40	13·2	9 30	17·1	14
15·6	15·4	15·5	15·3	15·4	15·5	15·4	15·4	15.5	15·6	3 8	13·5	8 16	17·4	15
15·3	15·3	15·3	15·2	15·2	15·5	15·6	15·6	15·7	15·6	3 38	13·1	8 10	18·3	16
15·5	15·5	15·5	15·5	15·6	15·5	15·5	15·3	15·3	15·5	4 0	13·7	8 6	17·5	17†
15·8	15·9	15·8	15·7	15·5	15·4	15·3	15·3	15·4	15·6	3 4	14·2	7 50	16·9	18†
15·8	15·8	15·6	15·5	15·2	14·9	15·0	15·0	15·1	15·7	2 6	13·9	7 58	17·7	19
15·7	15·4	15 2	15·2	15·0	15·0	15.0	14·9	14·9	15·4	2 30	13·7	7 30	17·7	20
15·5	15·5	15·5	15·1	15·1	15·1	15·1	15·1	15·2	15·4	2 18	14·3	7 24	17·2	21
15·5	15·4	15·3	15·3	15·1	14·9	14·9	15·0	15·1	15·3	3 12	13·4	7 40	16·9	22
16·8	16·7	16·6	16·3	16·1	16·1	16·1	16.2	16·5	16·0	3 26	13·5	7 58	17·7	23†
17·0	16·9	16·7	16·6	16·6	16·6	16·6	16·6	16·7	16·6	3 16	14·3	6 20	17·8	24
16·7	16·6	16·5	16·5	16·4	16·3	16·2	16·3	16·3	16·6	2 20	15·1	7 50	18·2	25
16.5	16·5	16·5	16·4	16·5	16·5	16·6	16·6	16·5	16.6	3 20	15·1	7 34	18·1	26
16·7	16·5	16·1	16·0	15 9	15·8	16·1	16·1	16·1	15·5	2 16	14·9	7 30	18·5	27
16·8	16·5	16·4	16·4	16·3	16·3	16·2	16·3	16·4	16·6	2 0	14·6	7 30	18·5	28
16·6	15·5	16·5	16·3	16·3	16·2	16·0	16·0	16·0	16·3	2 10	15.3	6 34	17·7	29†
16·6	16·6	16·4	16·2	16·2	16·2	16·3	16·2	16·1	16.4	2 0	14·0	7 30	18·2	30
16·0	15·9	15·8	15·7	15·6	15·6	15·6	15·6	15·7	15·9					Mean.
16·1	15·7	15·9	15·8	15·7	15·7	15·6	15·6	15·7	15·9					Mean†.

*See footnote on page B-5.
†Five international quiet days.

DECLINATION (WESTERLY), 1934.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

MAY. 0° PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	16·1	15·7	14.6	14·3	14·2	15·2	16·3	17·0	17.4	17·3	16·6	16·3	16·1	16·5	16·9
2	16·3	16·2	15·8	15·8	16·1	16·7	17·7	18·4	18.5	18·1	17·3	16·6	16·5	16·4	16·7
3	16·4	16·3	15·5	15·2	15·3	16·3	17·2	17·9	18·4	18·4	18·4	18·2	17·3	17·0	17·2
4	16·2	15·9	15·1	15.1	15·3	16·2	16·5	16·8	16·9	16·9	16·9	16·5	16·5	16·3	15·9
5	15·9	15·0	14·1	13·9	14·2	15·0	16·3	17·1	17·3	17·1	16·8	16·6	16·3	16·3	16·5
6	15·4	14·7	14·2	14·3	14·6	15·3	16·4	17·6	18·2	17·5	17·2	16·4	15·9	15·8	16·1
7	15·5	14·8	14·1	14·4	14·9	15·8	16·9	17·7	17·9	17·2	16·5	16·9	15·2	15·4	16·2
8	15·1	14·4	13·8	14·1	15·1	16·3	17·2	17·2	17·1	16·4	15·6	15·1	15·0	15·6	16·2
9	15·2	15·1	14·4	14·5	15·1	16.0	16·9	17·2	16·7	15·4	14·9	14·9	15·1	15·7	16·1
10	15·1	14·4	14·1	14.1	14·8	16·1	17·1	17·5	18·1	17·2	16·1	15·1	15·0	15·6	16·1
11	15·1	13·9	13·0	13·2	14·3	15·3	16·5	17·7	18·1	17·7	17·0	16·0	15·5	15.6	16·2
12	14·5	14·4	14·1	14.3	15·1	16·3	16·9	17·1	17·0	16·7	16·3	15.4	15·5	16.0	16·2
13	15·3	14·4	14·0	14·2	15·3	16·6	18·0	18·4	18·7	18·2	17·6	16·6	16·1	15·8	16·2
14†	15·6	14·9	14·4	14·5	14·7	15·3	16·3	17·6	18·3	18·3	17·6	16·8	16·1	15·8	16·1
15†	15·8	14·8	13·8	13·6	14·6	16·4	17·6	18·3	18·5	17·4	16.6	16·3	16·0	16·0	15·9
16†	15·6	15·1	13·8	13·9	15·2	16·4	17·5	18·6	18·7	18·2	17·4	16·7	16·2	16·1	16·1
17	15·8	15·3	14·0	13·0	13·4	14·9	16·9	17·6	17·4	17·0	16·6	16·3	16·2	16·1	16·0
18	15·6	15·1	14·3	14·2	14·9	16·6	18·1	19·1	19·1	18·3	16·8	15·3	14·8	14·8	14·8
19	14·0	13·4	13·5	14·4	15·3	16·6	17·6	18·6	18·6	18·4	18·0	17·0	16·2	16·0	16·1
20	15·4	14·9	14·3	14·2	14·4	15·6	16·7	17·8	18·3	18·1	17·4	16·5	15·9	16·1	16·3
21	15·4	14·6	14·2	14·1	14·6	15·7	16·8	17·5	17·5	17·5	17·4	16·7	16·4	16·5	16·6
22	14·9	14·3	13·4	13·3	14·0	15·8	17·3	17·7	17·6	17·1	16·5	16·3	16.4	16·4	16·4
23	15·7	14·8	14·3	14·4	14·9	16·1	16·8	16·9	17·0	16·6	15·7	15·5	15·6	16·0	16·3
24	15·3	14·2	13·7	14.0	15·5	17·1	17·8	18·2	18·2	17·5	17·1	16·6	16·5	16·5	16·5
25	15·2	14·5	14·2	14·4	15·1	16·5	17·7	18·1	17·6	17·2	16·7	16·4	16·3	16·5	16·4
26	15·7	15·0	14.3	13·9	14·5	16·2	17·5	17·9	17·3	16·7	15·7	14·8	15·1	15·7	16·4
27†	15·5	14·4	14·3	15·1	16·7	18·5	19.5	19·6	18·9	18·1	16·9	16·0	15·5	15·8	16·6
28†	16·1	15·4	14·6	14·3	14·5	15·5	16·6	17·4	17·7	17·4	16·7	16·5	16·5	16·6	16·7
29	16·1	15·5	15·1	15·5	16.4	17·2	17·9	18·7	18·7	18·5	17·8	17·3	16·9	16·6	16·9
30	15·8	14·7	13·7	13·3	14·1	15.6	17·1	17·5	17·7	17·9	17·6	16·9	16·5	16·6	16·7
31	16·1	15·2	14·3	13·7	14·7	16·6	18·4	19·6	19·8	19·5	18·9	17·9	17·0	16·6	16·8
Mean . .	15·5	14·9	14·2	14·2	14·9	16·1	17·2	17·9	18.0	17·5	16·9	16·3	16·0	16·1	16·3
Mean† . .	15·8	15·0	14·2	14·3	15·2	16·5	17·6	18·4	18·5	17·9	17·0	16·5	16·1	16·0	16·3

JUNE.

1	16·2	15·2	13·7	13·5	14·3	16·6	18·2	18·8	18·8	18·7	17·9	17·5	16·8	16·5	16·6
2†	16·1	15·3	14·3	13·7	13·8	15·2	17·1	18·4	18·8	18·5	17·9	17·5	16·9	16·6	16·5
3†	15·7	15·5	14·7	14·1	14·2	15·2	16·7	17·9	18·9	18·6	17·9	17·3	16·7	16·5	16·7
4	15·9	15·3	14·1	13·9	14·7	16·4	17·7	18·9	18·7	18·0	17·4	17·0	17·0	17·4	17·4
5	15·6	15·2	13·9	12·9	12·9	15·2	17·5	19·0	18·9	18·2	17·9	17·4	16·8	16·7	16·6
6	14·7	13·9	13·4	13·2	13·8	15·3	16·7	17·9	18·7	18·5	17·7	17·1	16·7	16·7	16·7
7	15·4	14·6	13·9	13·8	14·4	15·6	17·2	18·5	18·3	17·4	16·7	16·8	16·8	16·7	16·7
8	15·9	15·1	14·7	14·7	15·6	16·6	17·3	18·1	18·0	17·4	16·7	16·0	16·2	16·7	17·3
9	15·1	14·5	14·3	14·5	15·0	17·0	17·8	18·3	17·9	17·4	17·0	16·5	15·9	16·0	16·5
10	15·7	14·9	14·6	15·0	15·7	16·9	18·1	17·8	17·8	17·7	17·0	16·0	15·7	15·9	16·7
11	15·9	15·1	14·6	14·3	14·2	15·9	17·1	18·0	18·0	17·4	16·7	16·3	16·6	16·7	16·9
12	15·6	14·1	13·4	13·5	14·2	15·8	16·8	17·7	17·9	17·2	16·6	16·4	16·7	17·0	17·9
13	15·7	14·5	13·9	13·7	14·7	15·5	16·8	17·3	17·8	17·8	17·7	16·9	15·7	15·8	16·7
14	16·2	15·5	14·9	14·7	14·7	15·3	16·3	18·1	19·5	19·1	17.6	16·8	16·4	16·5	16·9
15	16·1	15·1	14·5	14·6	15·5	16·6	17·5	18·8	19·1	18·5	17·9	17·6	17·0	16·7	16·7
16	15·9	15·5	14·5	14·0	15·0	17·2	18·7	19·1	18·8	18·5	18·1	17·3	16·5	16·7	17·2
17	15·9	15·2	14·7	14·5	14·9	15·8	16·8	17·8	18·3	18·2	17·8	17·4	16·9	16·4	16·5
18	15·9	15·6	14·9	14·5	14·6	15·7	17·5	19·4	17·0	19·6	18·8	18·4	17·9	17·0	16·7
19	15·3	14·7	13·9	13·8	14·7	15·8	16·5	17·1	18·2	18·2	17·9	17·7	17·3	16·9	16·8
20	16·2	15·4	14·5	14·6	15·1	16·8	18·1	19·1	19·6	18·9	18·2	17·9	17·3	16·8	16·8
21†	15·8	15·6	14·8	14·3	15·3	16·6	17·6	19·3	19·1	18·8	18·4	17·7	16·9	16·3	16·7
22†	16·2	15·7	14·9	14·6	15·0	16·0	17·2	18·2	18·4	17·6	17·0	16·9	17·0	17·1	17·1
23	15·8	15·4	15·1	15·1	15·8	17·1	18·2	18·8	18·3	17·2	16·9	16·6	16·7	16·8	17·1
24	15·8	15·6	15·3	15·1	15·6	16·6	16·8	16·9	17.6	18·2	17·9	17·3	16·8	16·8	16·8
25	15·8	14·6	13·8	13·8	15·0	15·8	17·3	18·7	18·9	18·4	17·6	16·8	16·7	16·5	16·7
26†	16·1	15·4	14·8	15·0	15·9	17·1	18·0	18·6	18·7	18·8	18·3	17·2	16·4	16·2	16·7
27	15·8	14·9	14·3	14·5	15·1	16·1	18·1	18·4	18·5	17·8	17·8	17·5	16·9	16·8	17·0
28	15·9	14·9	13·7	13·5	14·0	15·6	16·8	17·8	18·6	17·9	17·1	16·5	15·8	15·8	16·5
29	15·8	15·0	14·4	13·9	14·5	15·3	16·9	19·1	19·7	19·1	18·4	17·4	16·6	16·3	16·7
30	15·9	15·1	14·2	14·0	14·7	16·0	17·8	19·3	19·6	19·0	18·9	18·0	17·0	16·8	16·8
Mean .	15·8	15·1	14·4	14·2	14·7	16·1	17·4	18·4	18·6	18·2	17·7	17·1	16·7	16·6	16·8
Mean† .	15·9	15·5	14·6	14·3	14·8	16·0	17·3	18·5	18·8	18·4	17·9	17·3	16·8	16·5	16·7

† Five international quiet days.

DECLINATION (WESTERLY), 1934.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

MAY. 0° PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
17 1	16·9	16·7	16·5	16·3	16·3	16·3	16·3	16·3	16·2	3 52	14·1	7 50	17·5	1
17·1	17·0	16·6	16·5	16·1	15·6	15·6	16·2	16·2	16·7	20 34	15·3	8 18	18·6	2
17.1	16·6	16·4	16·2	16·0	15·9	15·6	15·6	15·9	16·7	3 0	15·1	8 30	18·6	3
16·3	16·3	16·3	16·3	16·2	16·0	16·0	16·0	16·1	16·2	2 16	14·7	9 38	17·0	4
16·4	16·4	16.4	16·1	15·9	15·7	15·5	15·4	15·6	15·9	2 42	13·8	7 50	17·3	5
16·2	16·2	16·2	16·1	15·9	15·7	15·8	15·9	15·8	16·0	2 16	14·1	7 50	18·3	6
16·4	16·4	16·4	16·3	16·2	15·7	15·7	15·7	15·7	16·0	2 10	14·1	7 50	17·9	7
16·2	16·3	16·2	16·3	16·2	16·1	15·9	15·8	15·5	15·8	1 54	13·7	6 10	17·3	8
16·2	16·2	16·1	16·1	16·0	15·9	15·5	15·5	15·3	15·7	2 30	14·2	6 36	17·4	9
16·1	16·1	16·0	15·8	15·5	15·4	15·3	16·0	15·4	15·7	2 40	14·0	7 50	18·2	10
16·2	16·2	15·8	15·5	15·3	15·3	15·1	14·5	12·7	15·5	23 24	12·1	7 50	18·2	11
16.2	16·2	16.0	15·7	15·6	15·5	15·5	15·3	15·3	15·7	1 30	13·2	6 30	17.2	12
16·2	16·2	16·1	16·0	15·7	15·5	15·5	15·7	15·7	16·2	2 2	13·9	7 30	18.8	13
16·3	16·3	16·3	16·1	16·0	15·8	15·8	15·8	15·7	16·1	2 20	14.2	8 10	18·3	14†
16·2	16·3.	16·0	15·8	15·6	15·6	15·8	15·9	15·9	16·0	2 38	13·4	7 50	18·5	15†
16·3	16·3	16·1	16·1	16·1	15·9	15·7	15·7	15·8	16·2	2 20	13·5	7 36	19·0	16†
16·3	16·2	16·1	16·0	15·9	15·9	15·9	15·7	15·8	15·9	3 20	12·8	6 34	17·7	17
15·2	15·2	14·7	14·3	14·5	14·3	14·4	14·2	14·3	15·5	3 0	14·0	7 30	19.4	18
16·0	16·1	16·1	15·9	15·6	15·3	15·3	15·4	15·5	16·1	1 30	12·8	7 44	18·7	19
16·4	16·4	16·0	15·6	15·5	15·3	15·4	15·5	15·8	16·0	2 50	14·0	7 42	18·3	20
16·7	16·4	15·7	15·7	15·4	15·4	15·4	15·4	15·3	15·9	2 42	14·1	9 38	17·9	21
16·2	15·8	15·7	15·5	15·5	15·4	15·5	15·6	15·7	15·8	2 30	13·1	7 10	17·9	22
16·4	16·4	16·0	15·5	15·4	15·3	15·3	15·4	15·4	15·7	2 10	14·1	7 30	17·2	23
16·5	16·5	16·4	16·4	16·0	15·5	15·4	15·0	15·2	16·1	2 6	13.6	7 30	18·4	24
16·5	16·3	16·3	16·3	16·2	16·3	16·2	16·1	15·7	16·2	2 38	14·1	7 6	18·1	25
16·5	16·5	16·5	16·4	16·2	15·9	16·0	15·9	15·8	15·9	3 6	13·9	6 30	18·1	26
16·7	16·7	16·7	16·5	16·4	16·4	16·3	16·3	16·3	16·7	1 24	14·0	6 10	19·6	27†
16·8	16·7	16·7	16·6	16·5	16·4	16·3	16·3	16·4	16·3	3 20	14·0	7 36	17·8	28†
17·1	16·9	16·8	16·6	16·5	16·4	16·1	16·1	16·1	16·8	2 16	14·9	8 24	18·9	29
16·8	16·7	16·6	16.3	16·0	15·8	15·7	15·8	15·8	16·1	3 0	13.2	8 30	18.1	30
16·6	16·6	16·5	16·1	16·1	16·0	16·2	16·3	16·3	16·7	3 10	13.7	7 50	20·0	31
16·4	16·4	16·2	16·0	15·9	15·7	15·7	15·7	15·6	16·1					Mean
16·4	16·5	16·3	16·2	16·1	16·0	15·9	16·0	16·0	16·3					Mean†

JUNE.

16·7	16·7	16·7	16·6	16·5	16·3	16·0	16·0	16·1	16·5	3 2	13·3	6 56	18·8	1
16·6	16·6	16·5	16·3	15·8	15.6	15.6	15·6	15·6	16·3	3 24	13·3	7 50	18·9	2†
16·7	16·7	16·5	16·4	16·2	16·0	16·0	15·9	15·9	16·4	3 24	13·8	8 24	19·0	3†
17·6	17·3	16·9	16·5	16·1	16·3	15·6	15·8	15·6	16·5	2 30	13·6	7 10	19·0	4
16·4	15·8	15·8	15·7	15·5	15·3	15·3	15·2	15·0	16·0	3 14	12·5	7 24	19·2	5
16·7	16·6	16·2	16·0	16·2	16·2	16·3	16·2	15·8	16·1	2 54	13·1	8 24	18·9	6
16·8	16·7	16·7	16·5	16·4	16·4	16·2	16·3	16·5	16·3	2 30	13·6	7 20	18·6	7
17·1	16·9	16·7	16·5	16·1	15·9	15·5	15·2	15·3	16·3	2 14	13·6	7 30	18·5	8
16·7	16·7	16·7	16·1	15·8	15·8	15.8	15·8	15·9	16·2	1 42	14·0	7 14	18·6	9
16·7	16·7	16·7	16·5	16·3	16·1	15·7	15·7	16·2	16·3	1 24	14·5	6 10	18·2	10
16·8	16·7	16·7	16·7	16·6	16·3	15.9	15·8	15·8	16·3	3 46	13.9	7 50	18·2	11
17·8	17·3	17·1	16·1	16·1	16·0	15·8	15·9	15·8	16·2	2 14	12·9	7 44	18·3	12
16·8	16·8	16·7	16·3	16·1	16·1	16·1	16·1	16·3	16·2	2 50	13·5	7 38	17·8	13
17·0	16·8	16·5	16·3	15·9	15·8	15·9	15·8	16·2	16·5	3 26	14·5	7 58	19·8	14
16·8	16·8	16·7	16·7	16·5	16·3	16·3	16·1	16·1	16·7	2 4	14·2	7 50	19·3	15
17·0	17·0	16·7	16·1	15·9	15·8	15·7	15·8	16·0	16·6	3 4	13·9	6 38	19·2	16
16·8	16·8	16·8	16.6	16·2	16·0	15·9	15·9	16·1	16·4	3 4	14·2	8 10	18·5	17
16·7	16·8	16·6	16·4	15·7	15·5	15·6	15·6	15·7	16·7	3 12	14·3	8 0	20·0	18
16·8	16·9	16·8	16·7	16·6	16·3	16·3	16·2	16·3	16·4	2 40	13·7	8 10	18·5	19
16·8	16·7	16·3	15·8	15·8	15·8	15·8	15·8	15·9	16·6	2 22	14·1	7 54	19·7	20
16·8	16·8	16·6	16·5	16·3	16·1	16·0	16·1	16·3	16·7	3 0	14·3	7 10	19·6	21†
16·9	16·8	16·8	16·6	16·3	16·1	16·0	15·9	15·8	16·5	2 50	14·5	7 50	18·7	22†
17·1	16·9	16·8	16·7	16·5	16·1	15·7	15·8	15·9	16.6	2 30	14·9	6 30	18·9	23
16·8	16·8	16·8	16·8	16·6	16.5	16·2	16·0	15·9	16·6	2 56	15·0	9 14	18·3	24
16·8	16·8	16·8	16·7	16·5	16·1	16·1	16·0	16·1	16·5	2 18	13·6	7 20	18·9	25
16·7	16·8	16·7	16·6	16·2	16·1	16·1	16·1	15·9	16.7	2 22	14·7	8 0	18·8	26†
17·1	17·2	16·8	16·7	16·5	16·1	16·1	16·0	16·2	16·6	3 2	14·2	7 30	18·6	27
16·7	16·8	16·9	16·7	16·4	16·5	16·3	16·0	15·9	16·2	3 4	13·4	7 50	18·8	28
16·8	16·6	16·6	16·5	16·5	16·2	16·3	16·3	16·1	16·5	3 10	13·7	7 30	19·8	29
17·0	17·0.	16·9	16·8	16·3	16·2	16·0	15·9	15·7	16·7	2 50	13·9	7 30	19·9	30
16·9	16·8	16·7	16·5	16·2	16·1	15·9	15·9	15·9	16·4					Mean
16·8	16·8	16·7	16·5	16·2	16·0	16·0	15·9	15·9	16·5					Mean†

*See footnote on page B-5.
†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JULY. 0° PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	15·4	14·8	14·3	14·6	15·4	16·9	17·5	17·5	17·8	18·4	18·6	17·9	17·6	17·5	17·4
2	15·9	15·1	14·1	13·9	14·6	15·8	17·2	18·0	18·4	18·6	18·5	17·9	17·2	16·9	16·9
3	15·9	15·1	14·1	14·4	15·5	17·0	18·8	19·4	19·7	18·9	17·5	17·9	18·3	17·8	17·5
4	15·5	14·5	13·6	13·9	14·8	16·8	18·3	19·0	19·0	18·7	18·3	17·7	17·2	16·9	16·8
5	15·8	14·7	14·2	14·9	15·7	16·8	18·0	18·2	18·3	17·9	17·2	16·8	16·6	16·4	16·7
6	15·9	15·3	14·5	14·5	14·7	15·5	16·7	17·6	17·7	17·3	17·3	16·8	16·7	16·7	16·8
7	15·7	14·9	14·7	15·4	16·7	17·8	18·3	18·7	18·5	17·8	17·5	16·9	16·7	17·0	17·0
8	16·1	15·7	15·6	15·5	16·1	17·3	17·7	17·7	18·6	18·5	17·7	16·8	16·3	15·8	16·5
9	16·0	15·5	15·0	15·0	16·0	17·1	17·7	18·1	18·1	17·2	16·5	16·2	16·4	16·8	16·9
10†	15·8	14·8	14·3	14·5	15·6	16·6	17·6	18·7	18·9	19·5	19·2	18·0	16·6	16·2	16·6
11	15·9	15·1	14·5	14·6	15·7	17·2	17·7	18·2	18·8	18·3	17·6	17·0	16·6	16·7	17·3
12	15·8	14·8	14·5	14·7	16·0	16·6	18·8	19·2	19·3	19·4	18·9	17·8	16·7	16·5	16·7
13	16·0	15·2	14·2	13·7	14·5	15·7	16·8	17·7	18·5	19·3	19·0	18·2	17·3	16·6	16·8
14	16·3	15·7	14·9	14·4	15·3	16·2	18·0	19·0	20·3	19·8	18·7	17·8	16·9	16·9	17·3
15	15·9	15·0	14·0	13·4	13·4	14·6	16·0	17·2	18·8	19·4	18·7	18·2	18·0	17·5	17·2
16	15·8	14·7	14·3	14·5	15·6	16·9	17·1	17·7	18·9	19·0	18·6	18·1	17·1	16·4	16·5
17	15·9	15·1	14·5	14·6	15·1	16·1	17·1	18·1	18·8	19·4	19·0	18·1	17·4	16·8	16·9
18†	16·0	15·3	14·5	14·4	15·3	16·4	17·3	18·4	18·9	19·4	19·3	18·4	17·4	16·5	16·6
19†	16·0	15·2	13·9	13·5	13·3	14·2	15·7	17·5	18·4	18·5	18·4	18·0	17·5	17·2	16·9
20	16·1	15·4	14·8	14·5	15·0	16·3	18·0	18·6	19·1	19·2	18·3	17·4	17·0	16·5	16·8
21	15·8	15·3	14·4	14·1	14·4	15·2	17·1	18·6	19·1	19·2	19·0	18·0	16·9	16·6	17·1
22†	16·0	15·0	14·1	14·1	14·9	15·8	17·6	18·5	18·2	17·5	16·5	16·3	16·2	16·5	17·3
23†	16·2	15·3	14·9	14·4	14·6	15·2	17·4	19·3	19·4	19·0	18·0	16·8	16·4	16·4	17·0
24	16·2	15·6	15·3	15·0	15·2	15·9	16·8	18·2	18·4	18·6	18·5	17·9	17·1	16·9	17·1
25	16·1	15·5	15·2	15·3	16·1	17·7	19·0	20·0	19·7	18·9	18·2	17·5	16·8	16·6	17·3
26	16·0	15·4	14·1	13·2	13·8	14·8	15·6	16·3	17·2	17·4	17·7	17·6	17·3	16·9	17·1
27	16·0	15·0	14·3	14·1	14·2	15·5	17·0	18·7	20·2	20·3	19·1	18·1	17·1	16·6	16·8
28	15·9	15·3	14·5	14·4	15·3	16·3	17·4	18·5	19·4	19·1	18·3	17·1	16·4	16·3	16·9
29	15.8	14·7	13·4	13·1	14·0	15·3	16·8	17·7	17·7	18·3	18·6	18·2	16·9	16·0	16·6
30	15·1	14·4	13·5	13·5	15·4	17·1	17·7	17·6	18·5	18·0	16·6	16·4	15·5	14·8	15·9
31	15·0	14·3	13·5	13·5	14·2	15·4	16·7	17·7	18·3	18·3	18·1	17·1	16·3	16·0	16·3
Mean .	15·9	15.1	14·4	14·3	15·1	16·2	17·4	18·2	18·7	18·7	18·2	17·5	16·9	16·6	16·9
Mean† .	16·1	15·2	14·3	14·2	14·7	15·6	17·1	18·5	18·8	18·8	18·3	7·5	16·8	16·5	16·9

AUGUST.

1	15·7	15·0	14·6	14·3	14·7	15·4	17·1	18·0	18·5	18·6	17·8	16·3	15·7	15·4	16·3
2	15·7	15·1	14·2	13·7	14·7	15·7	16·9	17·6	17·6	17·5	17·3	16·4	16·1	16·1	16·5
3	15·8	15·1	14·3	13·9	14·5	16·3	17·5	17·5	17·3	16·7	16·3	16·2	15·2	15·5	16·7
4	15·7	15·1	14·2	13·9	14·5	15·8	17·5	18·4	17·9	17·1	16·8	16·3	16·0	15·9	16·1
5	16·1	15·0	14·2	13·9	15·2	16·4	17·3	17·5	17·9	17·2	16·5	15·9	15·5	15·7	16·2
6	15·2	14·2	13·3	13·5	14·9	16·6	18·9	19·6	19·4	18·8	18·2	16·9	16·2	16·2	16·3
7	16·1	14·9	14·3	14·3	15·1	16·3	17·4	18·0	18·0	17·8	17·0	16·5	16·3	16·3	16·6
8	15·8	14·9	13·9	13·8	14·9	16·5	17·9	18·9	19·2	19·2	18·1	17·0	16·3	16·2	16·7
9†	15·9	14·8	14·3	14·3	15·1	16·6	18·1	18·7	19·4	18·9	17·9	16·6	16·1	16·2	16·4
10†	15·6	14·7	13·4	13·1	14·5	17·3	19·4	19·4	18·9	17·8	16·5	16·1	16·3	16·4	16·9
11	16·3	15·3	14·3	14·4	15·8	17·6	18·3	19·1	18·7	18·5	18·0	17·4	16·6	16·4	16·8
12	15·8	15·4	14·6	15·0	16·7	18·1	19·0	19·3	19·2	18·9	18·3	17·2	16·4	16·5	17·2
13	16·3	15·3	13·7	13·2	14·7	17·2	18·8	19·1	19·2	18·7	17·9	17·5	16·7	16·7	17 4
14	15·5	15·0	14·0	13·5	14·5	16·5	18·2	19·0	18·8	18·5	17·9	17·1	16·4	16·4	16·6
15	15·7	14·9	14·0	14·2	15·5	17·4	18·6	19·4	19·5	19·1	18·2	16·9	16·3	16·4	16·9
16	16·2	15·2	13·9	13·7	15·4	16·9	18·5	19·7	20·0	19·4	19·2	18·5	17·3	16·6	16·7
17	16·4	16·0	14·6	14·0	14·7	16·4	17·1	17·6	17·7	17·7	17·4	16·4	16·1	16·4	16·8
18	16·4	15·6	14·4	14·1	14·5	16·0	17·8	18·5	18·9	18·7	18·2	17·8	16·9	16·5	16·9
19	16·4	15·7	14·9	14·9	16·4	17·4	18·2	18·6	18·7	18·5	18·6	18·1	17·2	16·7	16·5
20†	16·3	15·8	15·2	15·2	15·5	16·4	17·1	18·0	19·0	18·5	17·3	16·3	15·5	15·6	16·4
21	16·1	15·1	13·9	14·1	15·1	16·3	17·1	17·5	17·8	17·5	16·2	15·4	15·2	15·7	16·6
22	16·0	15·3	14·3	14·6	16·2	17·2	18·0	18·5	18·8	18·5	17·3	16·4	15·9	15·8	16·2
23	16·0	14·8	13·9	14·2	16·1	17·4	18·7	19·1	19·2	18·5	17·3	16·1	16·1	16·5	16·9
24†	15·7	15·1	14·5	14·7	15·8	16·9	17·7	18·7	18·9	18·1	17·1	16·2	15·9	16·2	16·7
25†	16·1	15·3	14·7	15·2	15·7	17·2	18·4	19·1	19·3	18·4	17·1	16·0	15·6	16·1	16·8
26	15·6	14·7	13·7	13·8	15·8	18·2	20·1	20·2	19·3	18·6	17·6	16·8	16·7	16·5	17·0
27	15·5	15·4	14·7	14·9	16·1	17·4	18·3	18·8	19·2	19·0	18·1	16·8	16·4	16·1	16·4
28	16·2	16·0	15·0	14·3	14·4	15·5	16·0	17·2	17·9	17·6	17·2	16·3	15·0	15·2	15·6
29	15·9	15·3	14·5	14·6	15·5	16·5	17·5	17·9	17·6	17·0	16·7	16·3	16·0	15·8	16·1
30	16·1	15·3	14·4	14·5	15·2	16·6	18·3	19·6	19·6	19·0	17·8	16·4	15·5	15·5	15·7
31	15·8	15·1	14·1	13·8	14·8	16·3	18·5	19·1	18·6	17·9	17·6	16·5	16·0	15·4	16·3
Mean .	15·9	15·2	14·3	14·2	15·2	16·7	18·0	18·6	18·7	18·3	17·5	16·7	16·1	16·1	16·6
Mean† .	15·9	15·1	14·4	14·5	15·3	16·9	18·2	18·8	19·1	18·4	17·2	16·2	15·9	16·1	16·7

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JULY. 0° PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
17·1	17·0	16·7	16·5	16·3	16·3	16·3	16·3	16·5	16·7	2 20	14·2	9 22	18·9	1
16·9	16·7	16·7	16·5	16·4	16·2	16·2	16·1	16·0	16·5	2 10	13·9	9 14	18·7	2
17·3	17·1	16·7	16·0	15·9	16·0	15·8	15·7	15·7	16·8	2 20	13·7	7 50	19·8	3
16·7	16·6	16·4	16·4	16·2	16·0	15·9	16·0	15·8	16·5	2 8	13·5	7 30	19·4	4
16·8	16·8	16·7	16·6	16·3	16·4	16·0	16 0	15·8	16·5	2 30	13·8	7 10	18·5	5
16·7	16·7	16·7	16·4	16·1	15·9	15·9	15·9	15·9	**16·3**	2 30	14·3	7 50	17·8	6
17·2	17·2	16·9	16·7	16·7	16·7	16·7	16·3	16·4	16·9	1 12	14·5	6 54	18·8	7
16·6	16·6	16·6	16·6	16·6	16·7	16·6	16·4	16·2	16·7	1 38	15·4	8 14	18·9	8
17·2	17·6	17·4	16·9	16·6	16·6	16·4	16·4	16·4	16·7	2 20	14·8	6 30	18·1	9
16·7	16·7	16·6	16·6	16·6	16·6	16·4	16·4	16·3	16·7	1 30	14·2	8 50	19·5	10†
17·5	17·4	17·2	16·9	16·6	16·3	15·9	15·7	15·9	16·7	2 6	14·4	7 48	18·9	11
17·3	17·1	16·8	16·7	16·5	16·5	16·3	16·2	16·3	16·9	1 24	14·5	9 0	19·6	12
17·1	17·1	16·7	16·7	16·6	16·5	16·5	16·5	16·4	16·7	2 40	13·5	9 0	19·4	13
17·4	17·4	17·0	16·7	16·6	16·5	16·2	16·2	16·0	17·0	2 50	14·4	8 10	20·4	14
17·2	16·9	16·7	16·5	16·4	16·4	16·3	16·2	16·1	16·5	3 26	12·9	8 40	19·5	15
16·9	16·9	16·5	16·3	16·2	15·9	16·0	16·1	16·0	16·6	1 46	13·9	8 30	19·5	16
17·0	17·0	16·6	16·5	16·4	16·3	16·0	16·1	15·9	16·7	1 30	14·5	9 10	19·6	17
16·9	16·8	16·5	16·4	16·2	16·1	16·0	15·9	16·0	16·7	3 0	14·1	9 10	19·4	18†
17·0	16·8	16·5	16·4	16·4	16·4	16·3	16·3	16·3	16·3	3 36	13·1	9 4	18·7	19†
16·6	16·7	17·0	16·5	16·3	16·3	16·1	16·1	16·1	16·7	3 20	14·4	8 38	19·4	20
17·1	17·1	16·9	16·7	16·5	16·3	16·3	16·3	16·3	16·7	3 14	13·9	9 30	19·4	21
17·2	17·2	16·9	16·5	18·5	17·0	16·4	16·3	16·3	16·5	3 0	13·8	7 10	18·6	22†
17·1	16·8	16·5	16·3	16·3	16·3	16·3	16·3	16·3	16·6	3 0	14·3	7 22	19·7	23†
17·1	17·1	16·6	16·6	16·5	16·4	16·3	16·3	16·3	16·7	3 10	14·9	9 20	18·7	24
17·3	17·5	17·1	16·7	16·4	16·4	16·3	16·3	16·2	**17·1**	2 0	15·0	7 10	20·2	25
17·0	17·0	16·8	16·5	16·4	16·3	16·3	16·2	16·2	16·2	3 4	12·9	10 2	17·7	26
17·0	17·0	16·5	16·4	16·3	16·2	16·2	16·1	16·1	16·7	3 18	13·8	8 26	**20·7**	27
17·1	17·0	16·8	16·4	16·3	16·3	16·2	16·2	16·1	16·6	3 0	14·3	8 10	19·5	28
16·7	16·7	16·5	16·2	16·1	16·0	16·2	15·7	15·3	16·2	3 6	**12·8**	9 58	19·1	29
16·4	16·5	16·5	16·1	15·8	15·3	15·0	14·8	14·9	15·9	2 40	13·2	8 24	19·1	30
16·3	15·9	16·3	16·3	16·3	16·3	16·1	16·1	15·9	16·1	2 30	13·2	7 50	18·4	31
17·0	16·9	16·7	16.5	16·4	16·3	16·2	16·1	16·1	16·6					Mean.
16·9	16·8	16·6	16·4	16·8	16·4	16·3	16·2	16·2	16·6					Mean.†

AUGUST.

16·4	16·5	16·3	16·2	16·2	16·2	16·0	15·9	15·9	16·2	2 42	14·1	7 40	19·0	1
16 9	16·6	16·5	16·4	16·3	16·2	16·1	15·9	15·7	16·2	2 56	13·6	7 18	17·9	2
16.7	16·7	16·5	16·3	16·2	16·1	16·0	15·9	16·1	16·1	2 50	13·8	6 0	17·7	3
16·3	16·3	16·3	16·1	16·3	16·3	16·3	16·3	16·1	16·2	2 55	13·8	7 14	18·6	4
16·5	16·6	16·5	16·4	16·3	16·3	16·1	15·9	15·8	16·1	2 42	13·5	7 51	18·1	5
16·6	16·6	16·6	16·5	16·5	16·4	16·3	16·3	16·2	**15·5**	1 50	13·2	7 22	19·8	6
16·9	16·9	16·7	16·4	16·2	16·2	16·2	16·2	16·1	16·3	2 14	14·1	8 54	18·1	7
17·0	17·0	16·8	16·5	16·3	16·3	16·3	16·3	16·2	15·6	2 30	13·5	8 50	19·4	8
16·4	16·3	16·3	16·3	16·3	16·3	16·3	16·3	16·1	16·5	2 4	14·1	7 46	19·5	9†
17·0	17·1	17·0	16·8	16·7	16·6	16·5	16·5	16·4	15·5	2 52	**12·9**	6 18	19·7	10†
16·9	16·9	16·8	16·6	16·5	16·4	16·2	16·1	15·9	16·7	2 23	14·0	7 10	19·2	11
17·5	17·4	17·5	17·4	17·2	16·9	16·5	16·1	16·0	**17·1**	2 20	14·5	7 2	19·5	12
17·4	16·9	16·8	16·8	16·6	16·4	15·9	15·9	15·7	16·7	2 42	13·1	8 20	19·4	13
16·5	16·9	16·8	16·6	16·5	16·4	16·2	16·3	16·2	16·5	2 42	13·4	7 14	19·3	14
16·9	17·1	16·8	16·6	16·4	16·4	16·5	16·5	16·5	16·8	2 22	13·8	7 46	19·8	15
16·7	16·7	16·6	16·5	16·5	16·5	16·5	16·6	16·5	16·9	2 56	13·6	7 26	20·3	16
16·9	16·9	16·7	16·6	16·4	16·3	16·5	16·7	16·6	16·5	3 0	13·8	8 30	18·0	17
17·1	17·1	17·2	17·1	16·7	16·6	16·5	16·4	16·7	16·8	3 0	14·0	7 58	19·2	18
16·4	16·3	16·7	16·7	16·7	16·5	16·7	16·5	16·4	16·9	2 42	14·4	8 20	19·0	19
16·6	16·6	16·7	16·5	16·4	16·3	16·5	16·4	16·3	16·5	2 12	15·1	7 54	19·3	20†
16·7	16·6	16·6	16·6	16·5	16·5	16·5	16·4	16·4	16·2	2 34	13·6	8 40	18·1	21
15·7	16·5	16·6	16·7	16·6	16·4	16·5	16·3	16·3	16·5	2 22	14·1	7 58	19·1	22
16·7	16·7	16·6	16·5	16·4	16·4	16·2	15·9	16·0	16·6	2 10	13·8	7 30	19·5	23
16·9	16·8	16·6	16·5	16·4	16·3	16·2	16·2	16·2	16·5	2 36	14·4	7 50	19·2	24†
16·9	16·8	16·6	16·4	16·2	16·2	16·1	15·9	15·9	16·6	2 2	14·6	7 38	19·7	25†
16·2	16·7	17·0	16·7	16·7	16·4	16·3	15·7	15·9	16·8	2 10	13·5	6 54	**20·4**	26
16·4	16·1	16·4	16·3	16·1	15·6	16·1	16·1	16·3	16·6	2 30	14·4	8 14	19·4	27
16·0	16·3	16·3	16·3	16·3	16·3	16·3	16·3	16·0	16.1	3 14	14·0	7 50	18·2	28
16·2	16·3	16·3	16·3	16·3	16·3	16·4	16·1	16·3	16·3	2 10	14·3	7 14	18·2	29
16·0	15·7	16·2	16·1	16·2	16·3	16·2	16·3	16·4	16·5	2 18	14·2	7 38	19·9	30
16·5	16·5	16·5	16·5	16·3	16·3	16·3	16·1	16·3	16·4	2 46	13·5	6 54	19·2	31
16·6	16·7	16·6	16·5	16·4	16·3	16·3	16·2	16·2	16·5					Mean.
16·8	16·7	16·6	16·5	16·4	16·3	16·3	16·3	16·2	16·5					Mean.†

*See footnote on page B-5..

†Five international quiet days.

DECLINATION (WESTERLY), 1934.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

SEPTEMBER. 0° PLUS TABULAR QUANTITIES.

Date.	Hours. (G.M.T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	16·1	15·5	14·7	14·3	15·0	16·8	18·2	18·4	18·4	18·5	17·9	17·5	17·1	16·6	16·5
2	16·1	15·5	14·4	14·0	14·4	15·2	16·8	17·6	17·4	16·6	16·4	16·3	16·2	16·2	15·1
3	16·4	16·1	14·4	14·2	15·8	17·4	18·5	18·7	17·8	16·5	15·4	15·3	15·4	15·7	16·5
4	16·3	15·4	14·6	14·5	15·5	16·4	17·5	17·6	17·3	16·8	16·4	15·4	15·2	15·8	16·5
5	15·7	14·9	13·7	13·6	14·2	15·5	16·3	17·2	17·5	16·9	16·4	15·5	15·8	16·4	16·7
6	16·3	16·1	15·5	15·4	16·6	17·9	19·0	19·6	19·1	17·9	16·5	15·8	15·8	16·1	16·7
7	15·5	15·2	14·5	14·5	15·6	16·9	17·3	17·7	18·0	17·3	15·9	15·8	16·4	16·9	17·0
8	16·1	15·4	14·0	13·8	14·9	16·2	17·5	18·5	18·2	17·7	16·7	15·8	15·7	16·6	16·9
9†	16·0	14·7	13·5	13·8	15·9	18·2	20·2	21·1	20·3	18·8	17·5	16·4	16·3	16·4	16·8
10†	16·4	15·4	14·0	13·5	15.1	16·8	18·4	20·0	20·4	19·4	18·0	16·8	16·5	16·6	16·9
11	15·9	15·1	13·8	13·6	15·6	18·1	19·6	20·2	19·8	18·4	16·8	15·9	15·8	16·7	17·2
12	15·9	15·2	14·1	13·9	15·4	17·3	18·7	19·7	19·3	18·0	16·8	15·7	15·5	16·3	16·7
13†	16·0	15·2	13·9	14·2	16·0	17·7	18·9	19·2	18·6	17·6	16·4	15·6	15·5	16·1	16·5
14†	16·2	15·5	14·7	14·7	15·9	17·4	19·4	19·7	19·2	18·1	16·6	15·9	15·7	16·1	16·5
15	16·2	15·6	15·0	15·0	16·1	17·5	17·7	18·1	18·4	17·7	17·0	16·2	16·1	16·5	16·8
16	16·5	16·5	16·0	16·1	16·1	17·3	18·1	18·6	18·7	18·1	17·3	16·9	16·5	17·0	16·5
17	16·4	16·1	14·8	14·3	15·3	16·7	18·4	19·9	19·7	18·5	17·1	15·9	16·0	15·9	16·0
18	16·2	15·7	14·6	14·4	14·8	15·8	17·2	18·3	18·5	17·8	16·7	16·1	16·1	16·5	16·6
19	16·3	16·0	15·1	15·1	16·1	17·2	17·9	18·5	18·4	17·5	16·7	15·9	15·8	16·7	16·7
20	16·5	16·0	14·7	14·8	16·3	17·5	18·6	19·4	18·7	17·4	16·5	15·9	15·9	16·5	16·8
21	16·5	15·9	15·1	14·8	15·6	16·3	17·6	18·5	18·4	17·3	16·1	15·6	15·7	16·5	16·9
22	16·4	15·8	14·6	14·4	15·6	17·4	18·7	19·7	19·8	19·1	17·8	16·7	16·4	16·7	16·5
23†	16·5	16·0	15·2	15·3	16·3	17·1	18·0	19·1	19·1	18·1	16·5	15·8	15·7	16·5	16·7
24	16·4	15·9	15·3	15·7	16·7	17·1	18·5	19·9	18·7	16·6	15·3	14·5	13·8	15·8	16·8
25	15·7	15·8	15·2	15·1	16·0	17·4	18·2	18·1	17·7	17·1	16·1	15·2	14·6	15·6	15·6
26	15·1	14·7	14·2	15·1	16·3	17·1	18·3	18·6	18·5	17·2	16·1	15·4	15·7	16·3	16·7
27	16 1	16·0	15·4	15·5	16·9	17·9	18·6	18·5	17·5	17·0	16·3	16·1	15·6	16·0	16·1
28	16·1	15·8	15·6	15·9	16·8	17·8	19·0	19·3	19·3	18·5	17·1	16·5	15·5	15·5	16·1
29	16 3	16·3	15·4	15·2	16·1	17·3	18·7	19·6	19·6	18·6	17·1	16·2	15·6	16·3	16·3
30	16·3	16·3	15.4	14·8	16·1	17·5	18·8	19·5	19·5	18·2	17·0	16·4	16·1	16·1	16·2
Mean .	16·1	15·7	14·7	14·7	15·8	17·1	18·3	19·0	18·7	17·8	16·7	16·0	15·8	16·3	16·5
Mean† .	16·3	15·4	14·2	14·3	15·8	17·4	19·0	19·9	19·5	18·4	17·0	16·1	15·9	16·3	16·7

OCTOBER.

1	16·3	15·8	15·2	14·8	16·0	17·5	18·8	19·1	19·0	17·9	17·0	16·5	16·3	16·5	16·6
2	16·5	16·4	15·7	15·1	15·0	15·9	16·6	17·3	17·7	17·4	16·5	16·4	16·3	16·3	16·2
3	16·4	16·2	15·4	15·3	15·7	16·5	16·7	17·0	16·9	16·6	16·4	16·3	16·4	16·6	16·6
4	16·4	16·3	15·3	15·2	16·0	17·1	17·9	18·6	18·8	18·3	17·0	16·2	16·3	16·6	16·6
5	16·6	16·5	15·7	15·2	15·2	15·6	17·4	18·9	18·7	18·1	16·6	15·5	15·7	16·5	16·5
6	16·6	16·4	15·4	14·8	15·4	16·5	17·9	18·9	18·9	17·7	16·4	15·9	16·4	16·9	16·9
7	16·4	16·4	16·2	16·0	16·7	17·7	18·6	19·4	19·2	17·9	16·8	16·2	16·3	16·7	16·8
8†	16·4	16·3	15·6	15·1	15·3	16·2	17·4	17·7	17·4	17·3	16·7	16·5	16·5	16·6	16·6
9†	16·4	16·4	15·9	15·5	16·2	16·7	17·5	18·5	18·9	18·1	16·9	16·3	16·5	16·6	16·5
10†	16·5	16·7	15·9	15·2	15·2	15·9	16·9	17·7	17·9	17·3	16·2	15·8	15·9	16·3	16·5
11	16·4	16·6	16·1	15·3	15·6	16·5	17·2	18·1	18·4	18·1	17·4	16·6	16·5	16·5	16·7
12	16·8	16·8	16·3	15·5	14·6	14·0	14·9	16·9	18·0	17·6	16·8	16·2	16·0	16·3	16·4
13	16·4	16·7	16·2	15·2	15·1	15·6	15·8	16·1	16·3	16·6	16·1	15·8	16·2	16·4	16·4
14	16·7	16·5	16·0	15·3	15·3	15·5	16·5	17·6	17·8	17·5	17·2	16·4	16·4	16·4	16·3
15	16·4	16·6	16·3	15·7	16·0	16·4	17·2	17·5	17·2	16·9	16·4	16·2	16·5	16·6	16·7
16	16·5	16·7	16·1	16·0	16·0	16·4	17·0	17·4	17·3	16·7	16·2	16·0	16·0	16·2	16·2
17	16·8	16·9	16·0	15·2	15·2	15·8	16·5	17·4	17·7	17·5	16·9	16·3	16·5	16·8	16·7
18	17·1	17·3	16·7	15·9	15·9	16·5	17·4	18·4	18·4	17·8	17·3	16·9	16·8	16·7	16·6
19†	16·8	16·9	16·2	15·4	15·8	16·7	17·9	18·7	18·4	17·6	17·0	16·2	16·1	16·4	16·5
20	16·9	16·9	16·5	16·1	16·3	17·2	19·1	19·8	18·8	17·6	16·9	16·3	16·3	16·3	16·5
21	16·5	16·6	16·5	16·3	16·6	16·5	16·9	17·5	17·3	16·7	16·2	15·6	15·6	16·1	16·2
22	16·9	17·0	16·6	16·2	16·2	16·3	17·0	17·0	16·6	16·3	16·2	16·2	16·2	16·2	16·2
23	16·8	16·9	16·7	16·3	17·1	18·3	18·7	18·3	17·4	16·7	16·3	16·0	16·0	16·2	16·4
24	16·9	17·1	16·8	15·5	14·8	15·0	16·1	16·8	16·2	15·1	15·5	15·8	16·1	15·9	15·0
25	16·2	16·1	15·8	15·4	15·8	16·8	17·4	17·6	17·2	16·5	16·3	16·2	16·5	16·5	16·3
26	16·9	16·5	16·1	15·7	15·5	16·2	17·1	17·0	16·5	16·3	15·8	15·3	15·5	15·4	15·9
27	16·3	16·3	16·2	15·8	15·9	17·0	18·0	18·0	17·0	16·5	16·0	16·0	16·1	15·4	15·6
28	16·5	16·7	16·2	16·0	15·8	16·0	16·1	16·2	16·1	16·0	15·9	16·1	16·2	16·1	16·0
29†	16·3	16·3	16·2	16·1	16·5	16·5	16·3	16·4	16·2	16·0	16·0	16·1	16·1	16·0	16·2
30	16·6	16·6	16·2	15·8	15·7	16·1	16·7	16·7	16·4	16·1	16·1	16·2	16·4	16·1	16·1
31	16·6	16·9	16·6	15·8	15·4	16·1	16·7	16·6	16·2	16·0	15·6	15·9	16·3	16·2	16·2
Mean	16·6	16·6	16·1	15·6	15·7	16·3	17·2	17·7	17·6	17·1	16·5	16·1	16·2	16·3	16·4
Mean† .	16·5	16·5	16·0	15·5	15·8	16·4	17·2	17·9	17·8	17·3	16·6	16·2	16·2	16·4	16·4

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

SEPTEMBER. 0° PLUS TABULAR QUANTITIES.

Hours (G.M.T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
16·6	16·5	16·4	16·4	16·5	16·5	16·4	16·6	16·4	16·7	2 50	14·1	8 48	18·7	1
15·3	15·5	15·3	16·1	16·4	16·3	16·2	16·2	16·2	**15·9**	2 50	13·8	6 59	17·8	2
16·5	16·5	16·5	16·4	16·5	16·4	16·3	16·4	16·3	16·3	2 34	13·9	6 34	19·1	3
16·5	16·4	16·3	15·8	16·2	16·3	16·3	15·9	15·9	16·1	2 42	14·3	6 30	17·9	4
16·7	16·6	16·5	16·5	16·5	16·5	16·4	16·3	16·3	16·0	2 42	13·5	7 30	18·0	5
16·7	16·7	16·7	16·5	16·5	16·5	16·1	15·5	15·4	16·7	2 46	**15·2**	6 54	20·0	6
16·8	16·7	16·5	16·5	16·4	16·4	16·4	16·4	16·3	16·4	2 30	14·4	8 12	18·3	7
16·9	16·8	16·7	16·6	16·4	16·2	16·2	16·3	16·2	16·3	2 42	13·5	7 6	18·7	8
16·9	16·9	16·9	16·6	16·6	16·5	16·4	16·5	16·4	**16·9**	2 14	**13·1**	7 10	**21·3**	9†
16·9	16·9	16·7	16·6	16·5	16·5	16·4	16·4	16·2	16·8	2 40	13·4	7 44	20·5	10†
17·2	17·1	17·0	16·9	16·7	16·4	16·4	16·4	16·3	16·8	2 34	13·3	7 22	20·3	11
16·9	16·9	16·7	16·6	16·5	16·3	16·5	16·4	16·2	**16·6**	2 46	13·6	7 16	20·1	12
16·7	16·5	16·5	16·6	16·5	16·5	16·5	16·4	16·4	16·5	2 30	13·4	6 50	19·3	13†
16·6	16·5	16·5	16·5	16·4	16·4	16·3	16·3	16·3	16·6	2 22	14·5	6 46	20·1	14†
17·1	17·1	16·9	16·8	16·6	16·6	16·5	16·5	16·5	16·7	2 30	14·7	7 46	18·7	15
16·3	16·3	16·5	16·5	16·3	16·4	16·4	16·3	16·4	16·8	2 16	15·7	7 30	18·9	16
16·3	16·7	16·9	16·6	16·5	16·5	16·4	16·4	16·4	16·7	2 50	14·2	7 34	20·3	17
16·5	16·5	16·6	16·6	**16·5**	16·5	16·5	16·4	16·3	16·4	2 58	14·3	7 44	18·7	18
16·7	16·5	16·2	16·1	16·4	16·4	16·6	16·7	16·7	16·6	2 42	14·7	7 18	18·7	19
16·5	15·8	16·1	16·4	16·5	16·5	16·5	16·6	16·6	16·6	2 16	14·6	7 8	19·4	20
16·9	16·8	17·0	16·9	16·8	16·8	16·8	16·8	16·7	16·6	2 30	14·7	7 30	18·7	21
16·7	16·5	16·3	16·5	16·7	16·7	16·7	16·5	16·5	**16·9**	2 34	14·2	7 58	19·9	22
16·7	16·7	16·6	16·7	16·7	16·6	16·5	16·5	16·4	16·7	2 30	15·0	7 30	19·4	23†
16·6	16·7	16·6	16·4	16·5	16·8	16·2	16·5	17·3	16·5	12 2	13·5	6 50	20·0	24
15·6	15·6	15·5	15·4	15·5	14·6	15·0	15·0	15·1	16·9	11 52	14·4	5 30	18·3	25
16·7	16·7	16·6	16·7	16·4	16·3	16·1	16·3	16·2	16·4	1 58	14·1	7 4	18·8	26
15·7	15·5	16·3	16·6	15·9	16·0	16·3	16·2	16·1	16·4	2 30	15·1	6 40	19·0	27
16·2	16·2	16·2	16·3	16·4	16·4	16·4	16·4	16·4	16·7	12 38	15·1	7 18	19·5	28
16·4	16·5	16·5	16·5	16·4	16·5	16·4	16·4	16·3	16·8	2 40	**15·1**	7 42	19·8	29
16·4	16·4	16·4	16·4	16·5	15·6	15·7	16·5	16·4	16·7	2 46	14·7	7 38	19·6	30
16·6	16·5	16·5	16·5	16·4	16·5	16·3	16·4	16·3	16·5					Mean.
16·8	16·7	16·7	16·6	16·5	16·5	16·4	16·3	16·3	16·7					Mean†

OCTOBER.

16·6	16·6	16·5	16·4	16·4	16·4	16·5	16·5	16·5	16·7	3 0	14·6	7 10	19·2	1
16·3	16·4	16·4	16·4	16·4	16·4	16·4	16·4	16·4	16·4	3 50	14·7	7 34	17·8	2
16·5	16·5	16·5	16·5	16·5	16·5	16·4	16·4	16·4	16·4	2 34	15·2	7 30	**17·1**	3
16·4	16·2	16·4	16·4	16·4	16·4	16·4	16·4	16·6	**16·7**	2 24	15·1	7 30	19·0	4
16·6	16·7	16·6	16·4	16·4	16·4	16·4	16·4	16·5	16·5	3 50	14·9	7 30	19·3	5
16·9	16·8	16·5	16·4	16·4	16·4	16·5	16·4	16·6	**16·7**	3 10	14·6	7 30	19·1	6
16·7	16·5	16·2	16·2	16·1	15·8	16·1	16·1	16·2	**16·8**	20 10	15·7	7 0	19·6	7
16·5	16·4	16·5	16·3	16·3	16·3	16·3	16·3	16·3	16·5	3 6	15·0	6 50	17·9	8†
16·5	16·5	16·4	16·4	16·4	16·3	16·3	16·4	16·5	16·7	2 50	15·5	7 46	19·1	9†
16·5	16·5	16·5	16·3	16·3	16·2	16·2	16·2	16·3	16·4	3 10	15·0	7 30	18·1	10†
16·6	16·6	16·5	16·4	16·4	16·4	16·3	16·4	16·5	16·7	3 10	15·2	8 10	18·6	11
16·4	16·4	16·5	16·3	16·2	16·2	16·2	16·2	16·4	16·3	4 40	**13·9**	7 54	18·2	12
16·4	16·3	16·3	16·2	16·2	16·7	16·3	16·5	16·5	**16·2**	3 20	14·9	1 30	16·8	13
16·4	16·3	16·3	16·3	16·3	16·3	16·3	16·3	16·3	**16·4**	3 22	**15·1**	7 42	18·0	14
16·4	15·8	15·7	15·8	15·6	16·0	16·4	16·4	16·3	16·4	19 2	15·4	6 44	17·7	15
16·2	16·2	16·2	16·2	16·2	16·2	16·4	16·5	16·7	16·4	3 10	15·7	6 50	17·6	16
16·7	16·5	16·6	16·6	16·5	16·8	16·9	16·6	16·8	16·6	3 16	15·0	7 50	17·8	17
16·5	16·6	16·5	16·4	16·3	16·3	16·3	16·3	16·5	16·8	3 20	15·7	7 18	18·5	18
16·5	16·4	16·4	16·4	16·4	16·5	16·4	16·5	16·9	16·7	3 20	15·3	6 58	18·9	19†
16·6	16·5	16·3	16·2	16·1	15·8	16·1	15·9	16·3	16·8	19 50	15·5	6 54	**19·9**	20
16·4	16·5	16·5	16·3	16·3	16·6	16·6	16·6	16·8	16·5	11 14	15·3	7 14	17·8	21
16·2	16·2	16·2	16·1	15·9	16·2	16·3	16·5	16·5	16·4	18 42	15·7	6 10	17·1	22
16·5	16·5	16·5	16·5	16·6	16·6	16·6	16·7	16·9	16·8	11 50	15·8	5 50	18·9	23
14·6	15·3	15·8	15·8	15·9	15·9	15·8	16·1	16·1	**15·8**	14 58	14·3	1 10	17·2	24
16·0	15·9	15·5	15.4	15·6	15·9	16·2	16·5	16·5	16·3	17 0	14·9	6 10	17·7	25
15·8	15·9	16·2	16·1	16·1	16·5	16·1	16·2	16·3	16·1	13 26	14·8	6 34	17·5	26
15·9	16·1	16·1	16·1	16·2	16·2	16·2	16·3	16·7	16·3	13 22	15·2	6 32	18·3	27
15·6	16·0	16·1	16·1	16·1	16·1	16·1	16·2	16·2	16·1	15 10	15·5	0 30	16·8	28
16·3	16·3	16·2	16·2	16·2	16·2	16·3	16·5	16·7	**16·3**	9 36	15·8	4 30	16·8	29†
16·1	16·1	16·2	16·1	16·1	16·1	16·2	16·4	16·5	16·3	3 38	15·4	6 30	16·9	30
16·2	16·2	16·1	16·1	16·2	16·2	16·3	16·4	16·4	16·2	3 30	15·3	1 30	17·1	31
16·3	16·3	16·3	16·2	16·2	16·3	16·3	16·4	16·5	16·5					Mean.
16·5	16·4	16·4	16·3	16·3	16·3	16·3	16·3	16·5	16·5					Mean.†

* See footnote on page B-5.
† Five international quiet days.

DECLINATION (WESTERLY), 1934.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

NOVEMBER. 0° PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1†	16·5	16·5	16·3	16·2	16·2	16·6	17·3	17·4	16·9	16·3	16·2	16·2	16·3	16·2	16·2
2	16·5	16·6	16·9	17·1	17·3	17·4	17·5	17·4	16·6	16·2	16·3	16·2	16·3	16·4	16·4
3	16·8	17·0	16·6	16·0	16·1	16·4	16·9	17·1	16·7	16·3	16·2	16·2	16·3	16·3	16·3
4	16·5	16·5	16·4	16·4	16·8	16·8	17·3	17·3	17·1	16·4	15·9	15·8	16·2	16·3	16·3
5	16·6	16·5	16·7	16·7	17·1	17·2	17·5	17·9	17·7	16·9	16·1	16·0	16·5	16·6	16·6
6	16·7	16·8	16·5	16·1	16·0	16·8	17·5	17·9	17·5	16·6	16·1	16·1	16·2	16·4	16·5
7	17·1	17·2	17·3	16·8	16·6	17·1	17·7	18·1	17·3	16·4	16·1	16·1	16·2	16·2	16·2
8	16·8	16·8	16·7	16·3	16·7	17·1	17·4	17·8	17·0	15·9	15·5	14·7	15·4	16·1	16·0
9	16·5	16·7	16·9	16·2	16·3	16·8	17·2	17·0	16·3	16·1	16·1	16·1	16·2	16·2	16·3
10	16·4	16·8	16·9	17·1	17·1	16·8	16·8	16·6	16·3	16·1	16·1	16·3	16·5	16·3	16·2
11	16·9	17·2	17·1	16·7	16·1	16·0	16·1	16·1	16·2	15·9	15·6	15·6	16·1	16·2	16·2
12	16·7	17·2	16·9	16·3	15·6	15·6	15·7	15·6	15·3	15·3	15·7	16·0	16·1	16·1	16·2
13	16·6	16·5	16·4	16·3	16·2	16·7	17·2	17·6	17·1	16·7	16·0	15·7	16·0	15·7	15·3
14	17·1	17·2	17·3	17·0	16·8	17·0	17·1	16·9	16·4	16·3	16·9	16·9	16·4	16·2	16·3
15	16·7	16·7	16·5	16·0	15·8	16·2	17·3	17·4	16·8	16·2	15·9	15·7	15·9	16·1	16·2
16	16·8	16·9	16·9	16·7	17·0	17·4	17·5	17·2	16·5	16·4	16·8	16·7	16·6	16·4	16·5
17	17·2	17·0	16·5	16·0	16·0	15·9	16·5	17·3	17·3	17·0	16·7	16·5	16·5	16·5	16·4
18	17·5	17·2	17·1	16·9	16·9	17·2	17·5	17·5	17·2	16·7	16·5	16·5	16·3	16·3	16·2
19	17·1	17·3	17·5	16·3	16·0	16·1	16·9	17·3	17·1	16·8	16·7	16·4	16·4	16·4	16·4
20†	17·0	17·1	17·2	16·8	16·4	16·8	18·2	18·4	18·0	17·3	16·9	16·3	16·2	16·3	16·5
21†	16·8	17·0	17·2	16·9	15·9	16·1	16·6	17·1	16·7	16·2	16·2	16·2	16·2	16·3	16·4
22†	16·7	16·9	17·2	16·3	16·6	16·9	17·8	17·5	16·7	16·1	15·9	15·9	16·1	16·3	16·3
23	17·0	16·9	16·7	15·5	15·1	16·3	17·4	17·4	16·8	16·5	16·2	16·5	16·6	16·4	16·4
24	16·7	16·5	16·3	15·8	16·2	17·3	18·4	18·6	18·3	17·6	16·8	16·2	16·1	16·1	16·2
25	16·8	16·9	16·8	16·1	15·9	16·3	17·3	17·7	17·1	16·9	16·7	16·0	15·5	16·1	15·9
26	16·6	16·8	16·7	15·9	15·7	16·2	17·1	17·3	16·8	16·3	16·2	16·1	16·2	16·2	16·2
27	17·2	17·1	17·0	16·5	16·1	16·8	17·6	18·0	17·4	16·9	16·2	16·0	16·0	16·1	16·1
28	17·1	16·9	17·2	17·1	16·8	17·4	18·2	18·3	17·8	17·3	16·9	16·3	16·2	16·2	16·2
29	17·1	17·1	17·1	16·4	16·1	16·5	17·5	17·2	16·6	16·8	16·9	16·6	16·3	16·2	16·1
30†	16·8	17·0	17·1	16·9	16·6	16·8	18·1	19·0	18·4	17·5	17·3	16·6	16·2	16·3	16·2
Mean .	16·8	16·9	16·9	16·5	16·3	16·7	17·3	17·5	17·0	16·5	16·3	16·1	16·2	16·3	16·3
Mean† .	16·8	16·9	17·1	16·7	16·3	16·6	17·6	17·9	17·3	16·7	16·5	16·2	16·2	16·3	16·3

DECEMBER.

1	16·9	16·9	16·9	16·0	15·0	15·5	16·6	17·1	17·1	16·9	16·3	16·5	16·1	16·2	16·5
2	16·5	16·6	16·6	16·0	16·1	16·3	17·1	17·1	16·5	16·2	16·5	16·4	16·2	16·1	16·2
3	17·1	17·2	17·2	16·6	16·0	15·7	16·3	16·7	16·2	16·1	16·3	16·1	16·1	16·1	16·3
4	18·7	18·5	19·4	17·7	16·5	16·1	15·5	14·9	14·9	15·1	15·1	14·9	14·8	14·9	13·8
5	16·6	16·8	17·3	17·1	16·8	16·7	17·0	17·1	16·7	15·8	15·3	15·3	15·7	16·2	16·2
6	16·7	16·8	16·8	16·3	15·8	16·1	16·4	16·4	16·2	16·4	16·3	15·9	16·1	16·3	16·3
7	17·1	17·0	17·1	16·6	15·9	15·7	16·8	17·1	17·2	17·0	16·4	15·9	16·2	16·3	16·3
8	17·3	17·3	17·2	16·9	16·3	16·8	17·6	17·9	17·4	16·5	16·4	16·3	16·3	16·3	16·3
9†	17·2	17·2	17·0	16·7	16·3	16·5	16·9	17·2	16·9	16·7	16·6	16·5	16·3	16·3	16·3
10	17·5	17·5	17·2	16·9	16·3	16·0	16·6	17·1	17·2	17·1	16·8	16·4	16·0	16·1	16·1
11	17·2	17·3	17·4	17·0	16·4	16·3	17·0	17·5	17·3	16·7	16·5	16·2	16·2	16·3	16·3
12	17·0	16·9	16·9	16·3	15·4	15·4	16·1	16·6	17·2	17·1	16·6	16·1	16·1	16·1	16·2
13	17·3	17·3	17·0	16·4	16·2	16·1	16·8	17·3	17·4	17·0	16·5	16·2	15·9	15·9	16·1
14	16·8	16·8	16·8	16·3	16·9	16·9	16·8	17·2	17·0	16·8	16·4	16·2	16·3	16·3	16·4
15	17·4	17·3	17·6	17·1	16·7	17·1	17·5	17·5	17·7	17·4	16·9	16·7	16·3	16·3	16·3
16†	16·9	16·9	17·3	16·9	16·5	16·7	16·9	17·3	16·9	16·3	16·3	16·3	16·3	16·3	16·3
17†	17·2	17·2	17·3	16·9	16·3	16·3	16·5	17·4	17·3	17·0	16·9	16·7	16·7	16·5	16·4
18	17·1	17·1	17·3	16·6	16·1	15·6	15·7	16·0	15·5	17·1	17·4	17·4	17·2	16·9	16·8
19	17·4	17·6	18·0	17·1	16·7	16·7	16·9	16·7	16·8	16·6	16·6	16·8	16·7	16·4	16·3
20	17·5	17·7	17·9	17·5	16·9	16·6	16·9	16·5	16·4	16·4	16·4	16·3	16·3	16·6	16·4
21	17·5	17·5	17·9	16·9	16·3	16·4	17·4	17·3	17·1	16·9	16·3	16·0	16·3	16·2	16·4
22	16·9	16·9	16·9	16·7	16·5	17·0	17·2	17·1	16·7	16·4	16·3	16·3	16·3	16·4	16·4
23†	17·0	17·0	16·6	16·2	16·3	17·8	18·7	18·3	17·9	17·4	16·8	16·3	16·8	16·8	16·5
24	16·8	16·8	16·8	15·9	16·1	16·7	17·4	18·1	17·7	17·0	16·6	16·3	16·5	16·6	16·4
25	16·3	16·5	16·4	16·1	16·0	16·8	17·5	16·8	16·7	17·0	16·7	16·5	16·7	16·7	16·3
26	16·7	16·9	16·9	16·5	16·0	16·2	16·4	17·7	17·1	17·0	16·5	16·3	16·4	16·3	16·3
27†	17·0	17·2	16·9	16·2	16·1	17·2	18·2	18·5	18·4	17·9	16·9	16·3	16·2	16·3	16·3
28	16·9	16·8	16·6	15·7	15·0	15·4	17·1	17·8	17·4	17·3	17·0	16·6	16·5	16·5	16·4
29	17·3	17·4	17·2	16·7	16·1	17·0	18·1	17·9	17·1	15·9	15·8	15·8	15·6	15·5	15·1
30	18·3	18·3	18·9	17·4	16·7	16·4	16·9	17·1	16·5	16·7	16·1	15·3	15·3	14·8	15·1
31	17·3	17·5	17·5	17·4	16·2	16·1	16·7	17·0	16·7	16·7	17·1	16·8	16·4	16·4	16·4
Mean .	17·1	17·2	17·3	16·7	16·2	16·4	16·9	17·2	16·9	16·7	16·5	16·2	16·2	16·2	16·2
Mean† .	17·1	17·1	17.1	16·6	16·3	16·9	17·5	17·8	17·5	17·1	16·7	16·4	16·4	16·5	16·3

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwhich mean time.)

NOVEMBER. 0° PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
16·1	16·1	16·1	16·1	16·1	16·1	16·1	16·2	16·3	16·3	18 30	16·0	6 26	17·7	1†
16·3	16·2	16·2	16·2	16·1	16·1	16·1	16·2	16·6	16·6	18 54	16·0	5 34	17·8	2
16·3	16·2	16·2	16·0	15·9	15·9	16·0	16·2	16·4	16·3	3 6	15·7	6 30	17·3	3
16·4	16·3	16·3	16·3	16·3	16·4	16·5	16·5	16·5	16·5	10 24	15·6	6 22	17·6	4
16·6	16·6	16·3	16·3	16·3	16·4	16·5	16·7	16·8	16·7	11 2	15·9	7 30	18·1	5
16·6	16·7	16·8	16·8	16·6	16·6	16·6	16·8	16·9	16·7	3 46	15·6	6 50	18·0	6
16·2	15·4	15·5	15·8	16·1	16·1	16·1	16·3	16·9	16·5	16 34	14·3	6 42	18·3	7
16·2	16·3	16·2	15·8	16·1	16·1	16·1	16·3	16·5	16·3	11 10	**14·3**	6 32	18·1	8
16·3	16·3	16·3	16·2	16·1	15·1	16·2	16·2	16·3	16·4	9 0	15·9	6 18	17·3	9
16·1	16·2	16·2	16·2	16·2	16·2	16·2	16·4	16·4	16·5	9 18	15·9	3 52	17·5	10
16·2	16·2	16·1	16·1	16·0	16·0	16·2	16·3	16·5	16·2	10 50	15·5	1 10	17·3	11
16·4	16·5	16·5	16·4	16·3	16·4	16·4	16·5	16·7	**16·2**	8 10	15·2	1 10	17·3	12
15·7	16·1	16·1	16·2	16·3	16·3	16·1	16·2	16·6	16·3	14 10	15·2	6 36	17·7	13
16·3	16·4	16·4	16·4	16·5	16·7	16·8	16·8	16·7	16·7	15 34	16·1	1 50	17·5	14
16·3	16·2	16·2	16·2	16·3	16·4	16·7	16·8	16·7	16·4	11 2	15·6	6 16	17·7	15
16·5	16·5	16·4	16·4	16·5	16·6	16·9	17·1	17·2	16·8	13 2	16.3	5 34	17·8	16
16·3	16·5	16·6	16·6	16·6	16·7	16·9	17·0	17·2	16·7	3 6	15·7	23 56	17·8	17
16·3	16·4	16·5	16·3	16·2	16·2	16·3	16·5	16·9	16·7	19 10	16·1	6 30	17·9	18
16·4	16·2	16·2	16·1	16·1	16·2	16·3	16·6	16·8	16·6	3 44	15·9	6 54	**20·7**	19
16·5	16·5	16·4	16·3	16·2	16·2	16·2	16·5	16·7	16·8	11 30	16·1	6 48	18·7	20†
16·5	16·6	16·6	16·5	16·3	16·4	16·5	16·7	16·8	16·5	4 8	15·7	2 6	17·3	21†
16·4	16·4	16·5	16·3	16·3	16·5	16·7	16·9	16·9	16·6	10 44	15·8	6 12	17·9	22†
16·5	16·5	16·4	16·4	16·3	16·5	16·5	16·6	16·6	16·5	3 46	15·1	6 30	17·8	23
16·5	16·7	16·3	16·5	15·9	15·9	16·1	16·7	16·9	16·7	19 38	15·7	6 36	19·0	24
15·9	16·1	16·2	16·1	16·2	16·4	16·5	16·6	16·7	16·4	11 30	15·1	6 34	17·8	25
16·4	16·6	16·7	16·7	16·6	16·6	16·6	16·9	17·1	16·5	3 46	15·4	6 50	17·6	26
16·3	16·3	16·4	16·5	16·5	16·4	16·5	16·6	17·0	16·7	11 14	15·8	6 44	18·3	27
16·4	16·5	16·3	16·3	16·3	16·4	16·5	16·8	16·9	16·8	12 30	16·1	7 0	18·5	28
16·3	16·4	16·3	15·9	16·1	16·1	16·4	16·7	16·7	16·5	18 2	15·7	6 26	17·9	29
16·2	16·2	16·3	16·3	16·3	16·3	16·4	16·7	16·8	**16·9**	15 0	16·1	7 0	19·2	30†
16·3	16·3	16·3	16·3	16·3	16·3	16·4	16·6	16·7	16·5					Mean.
16·3	16·4	16·4	16·3	16·3	16·3	16·4	16·6	16·7	16·6					Mean.†

DECEMBER.

15·9	16·1	16·1	16·1	16·2	16·2	16·4	16·3	16·5	16·3	4 6	14·8	7 14	17·5	1
16·3	16·4	16·5	16·5	16·5	16·5	16·6	16·7	16·8	16·5	3 14	15·7	6 44	17·3	2
16·3	16·2	16·3	16·2	16·4	16·4	16·6	16·8	18·3	16·5	5 10	15·6	23 24	19·6	3
15·6	16·1	16·0	15·9	16·1	16·1	16·2	16·5	16·4	**16·1**	13 52	**13·3**	1 48	**20·7**	4
16·2	16·2	16·1	15·6	15·6	15·8	16·1	16·2	16·5	16·3	10 26	15·1	1 52	17·5	5
16·3	16·4	16·5	16·3	16·3	16·3	16·3	16·5	16·7	16·3	3 42	15·7	1 30	17·1	6
16·3	16·3	16·3	16·3	16·8	16·8	16·8	17·2	17·2	16·6	4 42	15·4	23 54	17·6	7
16·2	16·4	16·5	16·5	16·5	16·5	16·6	16·7	16·9	16·7	15 18	15·9	6 54	18·0	8
16·3	16·2	16·4	16·6	16·6	16·7	16·8	16·7	17·2	16·7	12 30	16·2	23 14	17·6	9†
16·2	16·3	16·3	16·2	16·3	16·4	16·6	16·8	16·9	16·6	4 50	15·8	0 0	17·6	10
16·4	15·9	16·1	16·5	16·5	16·7	16·7	16·7	16·8	16·7	15 58	15·7	7 0	17·6	11
16·2	16·3	16·4	16·3	16·4	16·5	16·7	16·9	17·0	16·5	4 50	15·2	8 10	17·2	12
16·2	16·2	16·5	16·7	16·7	16·8	16·8	16·9	16·8	16·6	13 16	15·8	7 58	17·5	13
16·5	16·6	16·7	16·5	16·7	16·8	16·9	17·0	16·3	16·7	4 48	15·7	23 44	17·7	14
16·3	16·4	16·4	16·3	16·3	16·3	16·5	16·7	16·7	16·8	13 36	16·1	7 30	17·9	15
16·3	16·3	16·5	16·5	16·9	16·9	16·9	17·1	17·2	16·7	9 20	16·1	2 0	17·6	16†
16·4	16·4	16·5	16·4	16·5	16·5	16·7	16·9	17·0	16·7	5 20	16·1	7 20	17·5	17†
16·7	16·7	16·7	16·7	16·5	16·6	16·7	17·3	17·3	16·7	5 38	15·4	23 50	17·6	18
16·4	16·5	16·5	16·6	16·6	16·9	17·0	17·1	17·4	16·8	13 50	16·2	1 44	18·1	19
16·5	16·5	16·5	16·5	16·6	16·6	16·8	17·0	17·3	16·7	9 30	16·2	2 22	18·3	20
16·5	16·3	16·3	16·3	16·5	16·5	16·5	16·7	16·6	16·7	11 34	15·8	2 0	18·0	21
16·5	16·5	16·6	16·5	16·5	16·5	16·6	16·7	17·1	16·7	10 26	16·1	6 38	17·5	22
16·5	16·5	16·6	16·4	16·5	16·3	16·5	16·5	16·6	16·9	3 24	16·0	6 12	18·9	23†
16·3	16·4	16·2	16·4	16·5	16·6	16·3	16·6	16·4	16·6	3 24	15·7	6 46	18·2	24
16·3	16·4	16·4	16·4	16·5	16·4	16·4	16·3	16·4	16·5	3 26	15·8	5 48	17·7	25
16·4	16·4	16·5	16·5	16·5	16·5	16·4	16·5	16·6	16·6	4 46	15·7	6 34	18·0	26
16·5	16·7	16·5	16·4	16·5	16·5	16·5	16·7	16·8	**16·9**	3 40	15·9	6 24	18·6	27†
16·5	16·5	16·6	16·7	16·6	16·6	16·7	16·7	16·9	16·6	4 0	16·7	7 10	18·0	28
15·6	15·8	15·2	15·3	16·0	15·9	16·5	16·9	17·5	16·4	18 26	14·8	6 20	18·4	29
15·3	15·8	16·1	16·7	16·6	16·7	16·7	16·6	17·0	16·6	13 10	14·0	0 22	18·8	30
16·4	16·4	16·4	16·4	16·3	16·3	16·4	16·3	16·9	16·6	4 26	15·7	2 8	17·7	31
16·3	16·3	16·4	16·4	16·4	16·5	16·6	16·7	16·9	16·6					Mean.
16·4	16·4	16·5	16·5	16·5	16·5	16·7	16·7	16·9	16·8					Mean.†

*See footnote on page B-5.
†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JANUARY. 37000γ PLUS TABULAR QUANTITIES

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	444	441	444	447	453	454	463	466	465	461	442	435	436	440	441
2	416	421	427	435	435	434	448	451	440	430	422	407	399	401	401
3	422	425	428	431	433	443	452	448	437	425	426	431	428	426	428
4	429	431	431	435	432	434	444	447	442	434	430	429	427	426	429
5†	434	433	432	433	434	442	451	455	453	447	440	434	432	431	429
6†	442	442	441	441	439	439	447	450	450	445	439	438	441	438	436
7	441	442	445	451	458	467	472	474	474	467	463	454	450	445	445
8	436	440	439	443	448	458	465	461	455	450	447	440	429	419	419
9†	435	433	430	437	447	460	474	474	467	460	458	449	441	438	440
10	435	440	441	440	442	457	467	467	461	456	454	452	448	445	441
11	430	434	433	429	435	446	455	460	455	455	452	447	438	436	435
12†	438	440	441	441	443	449	451	448	449	453	456	444	440	443	444
13†	434	435	439	444	451	456	459	460	463	455	452	452	449	448	446
14	442	442	448	460	472	478	478	471	457	448	442	443	417	417	412
15	416	419	425	431	440	447	457	453	441	445	449	445	411	407	407
16	425	425	430	430	432	449	452	449	435	426	425	419	424	433	431
17	438	438	441	446	455	464	466	463	458	453	447	435	433	435	434
18	442	445	452	458	460	468	467	471	469	460	451	449	338	432	432
19	429	428	434	438	438	443	455	452	445	442	441	439	435	433	435
20	438	440	440	437	439	442	453	458	455	441	441	434	431	434	439
21	445	443	444	441	443	447	453	457	452	441	447	444	439	429	430
22	438	439	439	439	444	445	446	450	456	453	453	447	442	445	447
23	451	449	447	450	442	439	436	458	449	449	448	447	444	447	431
24	434	434	425	441	445	447	448	446	443	446	449	446	439	436	439
25	436	434	436	436	434	439	448	443	435	443	447	447	443	439	434
26	435	437	439	434	433	433	438	439	434	428	429	433	439	440	439
27	426	432	435	439	446	450	452	451	449	443	442	443	440	437	437
28	436	435	436	436	434	435	437	438	437	435	440	446	448	445	450
29	439	452	464	463	448	450	455	462	454	454	459	454	449	444	444
30	443	448	451	455	458	463	469	464	460	455	450	447	441	441	441
31	447	447	452	459	466	478	483	479	466	462	457	451	446	448	448
Mean . .	435	437	439	442	444	450	456	457	452	447	445	441	436	435	434
Mean †. .	438	438	438	440	443	450	457	458	457	452	449	443	440	439	439

FEBRUARY.

1†	440	439	444	551	458	463	464	454	449	444	445	444	442	440	439
2	441	443	449	460	465	467	475	478	482	473	469	465	458	451	451
3	444	445	445	448	453	461	469	461	457	462	461	450	439	433	439
4	439	443	440	446	454	457	456	460	457	454	447	444	439	440	444
5	444	438	440	438	445	444	442	448	453	458	449	443	435	433	434
6†	421	421	423	426	430	434	437	437	437	433	429	431	433	431	423
7	433	438	442	448	446	449	453	454	453	457	456	454	446	442	436
8	439	439	439	441	445	447	446	446	444	441	438	437	438	438	438
9	444	460	460	439	415	416	415	413	407	403	409	409	405	401	389
10	411	415	420	424	430	438	446	448	446	446	440	430	427	423	407
11	431	432	435	435	435	439	444	444	445	445	442	435	433	427	425
12	435	436	441	448	456	453	453	450	446	441	438	435	445	435	435
13	434	435	438	448	450	457	456	459	459	454	444	435	430	429	429
14†	430	431	433	439	449	455	457	454	449	444	442	435	429	428	428
15	436	434	437	446	458	467	470	473	466	459	453	447	446	441	445
16	434	436	442	449	459	470	478	480	475	475	473	468	458	444	382
17	393	402	412	419	436	442	445	431	412	405	403	407	400	395	410
18	416	419	422	424	424	430	435	439	459	423	410	418	413	408	413
19	416	421	425	427	431	433	442	446	443	435	428	427	422	416	418
20	425	428	429	434	441	441	440	443	442	434	429	424	416	413	414
21	425	426	426	429	434	441	446	448	444	441	437	434	434	439	441
22	432	433	433	437	442	447	452	451	444	435	426	423	423	423	423
23†	428	430	435	443	444	453	453	453	453	449	444	442	443	438	437
24	444	448	449	452	456	463	462	459	457	449	448	442	440	435	429
25	428	441	442	449	461	462	462	462	455	452	444	427	413	417	419
26†	430	431	434	446	459	463	462	457	449	441	439	439	439	438	436
27	442	444	445	449	453	459	467	473	478	471	463	449	432	419	423
28	433	435	434	435	445	451	458	460	458	453	449	445	445	444	435
Mean .	431	434	436	441	446	450	453	453	451	446	441	437	433	429	426
Mean† .	434	435	438	445	451	457	457	453	449	443	440	439	437	434	432

†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JANUARY. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
434	439	413	386	**368**	397	403	411	409	433	8 46	471	18 18	**352**	1
421	406	405	425	426	416	416	417	419	422	6 38	453	14 8	393	2
423	416	415	416	422	426	425	425	427	428	6 24	454	16 24	412	3
427	427	424	424	426	427	429	433	434	431	6 54	447	17 22	421	4
430	431	431	432	433	437	437	438	438	437	6 50	456	14 30	427	5†
432	431	431	435	435	432	434	438	439	439	7 0	450	16 16	428	6†
443	442	436	425	431	432	433	433	433	448	6 30	476	17 56	420	7
427	433	430	427	430	433	434	430	431	439	5 56	465	13 30	414	8
439	437	437	435	437	438	437	439	433	445	6 24	477	2 2	427	9†
439	436	434	434	433	442	432	430	427	444	7 6	468	22 58	426	10
434	432	430	434	436	434	432	433	435	439	6 34	460	3 18	426	11
442	441	440	437	437	436	435	435	435	442	9 54	457	20 56	433	12†
445	441	438	439	439	438	438	438	440	446	7 20	461	1 10	433	13†
406	383	374	369	376	375	373	391	391	423	5 44	479	18 12	388	14
407	405	405	399	394	386	384	388	398	**419**	6 22	458	20 36	407	15
433	431	427	430	431	436	437	434	441	433	6 28	454	11 28	415	16
434	430	429	435	436	437	438	435	438	443	5 30	466	16 42	424	17
433	431	430	433	431	443	435	430	426	445	6 36	475	19 40	423	18
432	431	429	429	435	437	436	438	439	437	6 16	457	17 58	426	19
439	437	437	438	445	441	445	446	447	442	7 8	459	12 4	428	20
426	419	417	418	423	428	429	435	437	437	6 34	458	17 6	415	21
447	445	446	442	438	445	455	448	430	445	8 2	457	23 10	421	22
429	430	432	425	421	430	431	430	435	439	0 18	457	18 50	417	23
437	429	423	422	430	434	433	439	445	438	5 16	451	17 34	417	24
432	426	427	433	431	432	431	432	432	436	6 12	451	16 48	422	25
437	436	431	436	439	427	425	416	421	433	12 30	442	21 48	414	26
438	437	435	434	435	437	437	433	433	439	6 6	452	0 0	425	27
449	449	439	431	433	431	435	446	441	439	14 6	453	18 8	426	28
438	431	438	442	447	444	439	438	447	448	3 19	476	15 44	428	29
443	445	446	448	449	450	453	441	442	450	5 54	474	12 34	435	30
448	447	441	447	442	450	441	440	441	**454**	5 32	**484**	21 2	435	31
434	431	428	**428**	429	431	430	431	432	438					Mean.
437	436	**435**	435	435	436	435	437	436	442					Mean.†

FEBRUARY.

442	441	440	441	442	441	442	440	441	445	5 50	465	0 6	434	1†
443	437	440	441	444	455	459	447	446	**456**	7 34	**484**	15 56	435	2
440	440	439	438	434	433	441	435	434	446	6 4	470	20 0	429	3
435	431	437	430	435	451	438	437	447	444	6 48	463	16 0	423	4
438	436	435	428	408	406	413	413	420	435	8 48	455	19 54	404	5
422	424	425	429	429	429	428	434	431	429	7 40	437	0 22	416	6†
437	436	436	435	439	436	430	431	436	443	10 16	458	21 24	429	7
438	437	437	448	447	445	441	447	444	442	22 24	455	16 30	433	8
392	365	342	355	387	394	399	401	403	**404**	1 30	466	17 20	339	9
409	411	410	408	433	423	417	419	423	426	6 30	451	18 22	401	10
432	428	422	426	435	426	425	426	431	433	8 3	447	16 56	420	11
432	430	429	434	438	435	435	443	443	440	4 16	457	17 0	427	12
427	425	425	426	425	425	424	425	438	437	7 30	460	16 40	422	13
431	433	436	438	439	439	440	437	437	439	5 48	458	13 20	726	14†
431	410	418	414	423	423	432	437	434	442	6 38	475	16 16	406	15
338	334	**322**	355	364	355	364	375	386	417	6 50	481	17 0	**314**	16
404	404	400	414	414	419	431	429	417	415	5 34	453	0 0	391	17
416	418	425	432	417	415	418	419	419	422	17 38	445	13 0	402	18
419	416	420	426	422	423	421	423	425	426	7 46	449	16 34	414	19
422	416	415	415	417	424	421	424	425	426	7 46	444	13 0	412	20
436	430	428	421	421	426	432	426	423	433	6 30	449	19 6	419	21
422	424	426	429	430	427	427	427	429	432	5 52	454	14 50	419	22
431	425	423	428	429	430	434	441	441	439	4 14	454	17 2	421	23†
429	432	424	424	418	417	413	427	427	439	5 20	465	21 18	411	24
422	423	428	426	425	426	428	429	431	436	6 46	464	11 21	409	25
438	433	436	438	435	436	437	440	441	442	5 16	464	0 0	427	26†
425	429	428	430	421	419	425	428	432	442	7 40	480	13 30	414	27
429	431	434	433	432	431	436	439	441	441	7 10	461	15 24	424	28
424	421	**421**	424	425	425	427	429	430	435					Mean.
432	**429**	430	433	432	432	433	435	434	439					Mean.†

*The daily mean values of horizontal force derived from 24 hourly values have been corrected for progressive change by 1/48th of the difference between the values of the initial and terminal hours.

†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

MARCH. 37000γ PLUS TABULAR QUANTITIES

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	442	444	448	455	469	480	485	478	472	463	457	450	443	442	441
2	451	452	449	456	464	471	474	471	472	470	459	440	418	401	414
3	420	419	429	436	444	454	460	463	459	447	438	433	429	423	400
4	432	433	433	438	449	463	473	479	479	472	463	458	448	437	435
5	393	401	405	411	419	414	419	426	379	378	365	379	391	397	400
6	416	415	415	423	437	447	450	442	431	423	413	424	420	422	416
7	427	429	427	437	445	461	464	453	439	438	416	416	413	415	418
8	431	424	426	424	429	437	440	443	441	433	421	417	416	418	421
9	428	427	428	441	455	464	464	463	451	444	435	429	424	426	424
10	429	432	430	433	441	442	451	459	449	428	423	421	418	414	412
11	427	449	436	440	441	460	471	468	463	451	447	435	416	421	420
12†	424	421	422	426	437	449	453	451	448	443	435	429	428	426	425
13†	439	441	440	446	455	465	470	476	471	463	451	443	444	444	439
14†	444	443	448	454	462	472	479	477	470	467	463	458	452	449	440
15	437	439	444	443	439	449	457	458	453	444	436	421	405	389	406
16	444	450	453	462	475	485	489	482	470	454	457	449	444	440	435
17	440	440	437	444	457	465	468	471	467	459	440	432	435	433	431
18	445	442	442	447	459	475	483	477	467	461	448	438	438	435	433
19†	437	436	436	439	447	458	468	467	459	447	437	429	425	429	434
20†	436	438	441	446	453	459	463	457	451	448	449	448	443	438	434
21	445	448	449	453	466	476	486	486	481	471	454	449	445	449	445
22	457	460	460	461	465	480	486	476	468	464	452	448	445	434	428
23	431	428	426	429	438	443	447	447	439	447	430	429	431	436	434
24	447	446	446	455	460	470	466	457	447	445	442	440	438	437	432
25	430	425	415	422	428	439	442	440	434	426	404	404	410	412	413
26	423	424	430	437	450	461	470	464	451	447	447	441	441	440	435
27	438	439	438	440	441	450	451	453	452	450	445	442	443	441	441
28	442	446	448	457	464	473	475	476	464	457	449	440	435	433	435
29	452	443	453	436	444	441	454	452	454	446	440	435	431	430	427
30	437	434	433	437	446	455	467	471	463	453	446	441	442	438	439
31	442	442	438	443	460	469	477	473	424	410	428	428	415	379	401
Mean .	435	436	436	441	450	459	465	463	454	447	438	434	430	427	426
Mean† .	438	438	439	443	452	462	468	467	461	454	447	441	438	437	434

APRIL.

1	435	435	442	446	453	465	465	457	453	444	424	411	411	417	421
2	429	434	442	447	457	468	473	472	461	454	446	432	426	420	430
3	434	435	440	453	466	481	489	491	490	474	361	476	444	437	432
4	435	435	446	455	468	482	485	477	472	456	441	432	432	433	430
5	443	431	433	447	465	481	473	474	469	452	443	443	446	439	424
6	433	429	427	434	444	453	454	458	452	432	433	441	436	435	432
7	431	432	433	443	449	468	477	468	463	457	450	442	437	437	437
8	440	438	437	438	452	469	479	480	469	463	455	447	449	441	446
9	443	443	449	457	459	474	484	480	471	464	458	453	449	443	441
10	446	448	449	464	479	443	483	481	473	466	458	449	448	447	446
11	452	457	456	464	480	495	498	495	486	480	471	463	454	452	451
12	465	463	459	458	462	475	481	481	477	472	463	459	458	455	453
13†	453	455	458	463	469	478	485	483	474	465	461	459	455	455	454
14	451	452	453	456	467	477	478	473	474	473	467	461	455	449	445
15	455	452	451	453	461	471	476	476	474	463	455	449	448	449	445
16	447	454	466	485	490	487	483	481	474	463	465	456	449	437	431
17†	449	453	459	464	469	477	485	486	480	473	468	463	459	455	451
18†	454	456	458	465	477	491	497	497	492	482	471	466	462	458	456
19	466	467	470	477	488	495	498	497	495	494	489	483	474	463	458
20	467	464	463	461	465	476	484	489	488	481	471	461	452	447	445
21	466	467	466	467	474	484	481	480	479	470	466	468	462	451	444
22	456	456	455	457	467	483	496	496	497	488	476	467	453	440	438
23†	456	456	461	468	476	485	485	487	484	476	467	457	454	454	451
24	467	464	467	468	477	487	485	482	481	480	469	451	453	454	453
25	455	457	462	468	476	482	480	481	478	466	460	458	455	452	449
26	451	451	454	457	463	468	471	471	469	463	459	455	451	446	440
27	448	446	440	443	453	463	468	463	456	451	445	444	444	446	442
28	454	459	456	458	457	478	495	496	489	484	481	476	469	464	459
29†	458	456	457	459	467	480	494	495	492	483	475	469	464	461	457
30	454	454	457	464	480	497	502	497	491	486	483	482	475	467	460
Mean .	450	450	452	458	467	477	483	481	477	469	461	456	451	447	444
Mean† .	456	457	461	466	473	484	491	491	485	477	469	463	459	456	453

†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

MARCH. 37000γ PLUS TABULAR QUANTITIES

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
442	445	443	443	444	452	455	454	447	454	6 18	486	18 4	438	1
419	403	402	412	420	421	427	419	417	437	6 32	476	13 6	399	2
428	428	429	428	430	431	431	429	429	434	6 32	465	13 44	418	3
435	418	410	415	392	382	401	404	392	434	7 40	481	19 44	368	4
399	410	417	411	408	405	417	430	432	405	22 38	438	10 15	356	5
411	413	422	414	426	428	427	422	425	425	4 52	451	10 12	404	6
423	409	416	418	418	418	418	422	437	428	5 58	464	11 38	403	7
423	424	422	420	424	423	422	423	427	426	7 6	444	12 14	414	8
428	433	425	433	440	434	427	435	429	437	6 2	465	12 30	422	9
418	423	423	423	425	440	424	426	426	430	6 56	460	13 24	406	10
422	424	426	429	429	441	429	429	421	437	6 10	474	12 10	412	11
422	419	421	425	423	424	427	427	429	431	6 12	455	15 42	418	12†
439	437	438	437	435	437	443	442	442	447	6 42	477	19 30	432	13†
437	439	439	440	439	439	436	440	441	451	6 0	481	14 56	434	14†
422	425	427	433	435	437	439	440	440	434	6 14	460	13 4	385	15
428	431	431	431	444	436	433	432	435	450	5 4	493	15 0	425	16
431	428	430	432	432	438	439	439	438	443	6 30	472	15 58	424	17
431	428	435	420	420	422	421	423	435	443	6 6	484	18 54	417	18
431	432	434	435	435	435	435	436	435	440	5 50	472	12 6	423	19†
433	433	435	435	435	439	438	441	442	443	5 50	465	15 10	431	20†
440	444	447	448	452	455	456	457	453	457	6 38	490	14 37	433	21
424	433	435	419	412	419	421	427	426	445	5 29	490	18 43	410	22
436	434	441	439	451	447	429	443	447	438	18 44	457	1 38	425	23
429	433	434	439	442	437	437	429	433	443	5 16	472	23 58	426	24
414	404	433	431	417	415	416	425	419	421	6 21	444	10 22	392	25
434	432	434	435	438	448	435	433	433	441	6 4	471	0 12	422	26
438	438	441	429	424	429	439	445	438	441	7 18	454	19 28	420	27
435	434	437	443	444	437	449	443	434	448	6 58	478	22 56	429	28
426	430	428	430	432	431	433	433	432	437	6 16	457	15 30	421	29
439	438	439	442	442	438	445	447	439	445	6 48	473	1 8	432	30
406	410	420	434	443	429	428	432	434	432	6 8	483	13 0	368	31
427	427	429	430	431	431	432	433	433	438					Mean.
432	431	432	434	432	433	434	436	436	443					Mean.†

APRIL.

427	426	437	439	429	434	444	429	428	436	5 20	472	12 10	406	1
435	434	432	431	439	441	435	434	433	442	6 16	476	13 10	417	2
437	432	429	430	430	445	437	433	434	450	6 40	492	18 42	423	3
425	419	417	439	445	421	432	449	443	445	5 58	486	16 30	414	4
399	403	409	424	437	432	426	424	430	439	5 20	483	15 20	392	5
427	428	431	437	439	434	432	434	433	437	6 59	460	9 34	424	6
437	437	437	439	441	439	437	437	438	445	6 4	480	1 40	428	7
446	443	442	441	442	439	437	436	444	449	6 20	481	21 52	434	8
439	440	439	444	444	445	445	444	445	452	6 4	485	14 40	439	9
445	445	445	446	447	446	444	450	448	454	6 19	486	15 34	445	10
455	459	458	459	458	457	457	457	459	466	5 30	499	13 26	446	11
449	446	450	452	452	451	451	454	453	460	6 16	483	15 50	444	12
448	443	442	443	444	445	447	447	449	457	6 10	488	16 54	441	13†
444	448	450	451	449	447	451	455	458	458	6 0	480	14 50	443	14
443	448	450	451	453	455	448	450	450	455	6 20	480	14 48	442	15
428	437	446	450	446	446	450	445	446	457	4 28	499	14 56	426	16
446	446	450	451	451	451	450	451	451	460	6 46	488	15 12	445	17†
455	455	458	460	460	460	458	460	464	467	6 8	498	15 46	454	18†
456	453	449	460	468	457	457	463	463	473	5 38	501	17 18	448	19
447	444	455	458	456	452	454	454	456	462	7 8	493	14 14	443	20
444	444	449	452	456	456	455	454	454	462	5 6	488	15 34	443	21
443	448	447	450	456	453	455	458	462	462	5 30	502	13 36	432	22
451	453	452	454	456	456	454	458	464	463	7 12	489	14 30	449	23†
451	453	454	454	454	453	451	454	454	463	5 4	490	11 12	446	24
446	444	445	446	447	445	449	445	447	458	4 56	483	21 54	443	25
442	443	443	442	445	448	449	444	448	453	6 2	472	13 2	439	26
439	436	434	437	438	440	446	446	447	447	5 42	470	16 50	433	27
455	453	454	455	455	455	455	455	456	465	6 30	499	3 30	452	28
457	457	457	558	460	461	456	456	453	466	6 34	498	23 0	452	29‡
460	464	461	460	458	458	460	461	459	470	5 40	504	0 46	453	30
443	443	444	447	449	447	447	448	449	456					Mean.
451	450	451	452	453	453	451	452	454	463					Mean.†

*See footnote on page B-17.

†Five international quiet days.

MAY. (Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

37000γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	459	464	465	479	492	500	499	493	481	477	469	459	454	452	452
2	457	459	462	476	491	501	501	496	490	480	473	473	464	453	449
3	456	453	448	457	459	469	463	449	447	442	439	438	441	438	445
4	454	444	445	452	459	469	474	470	464	459	450	447	449	447	446
5	464	462	466	475	485	497	505	503	495	486	482	477	471	467	465
6	466	467	465	469	477	479	483	485	484	480	478	473	465	459	457
7	454	453	455	464	476	487	491	490	485	478	474	470	460	460	464
8	455	458	459	466	478	488	493	487	489	487	479	470	463	459	458
9	459	463	470	477	486	490	490	486	479	476	469	464	460	454	452
10	454	455	458	458	459	465	469	468	468	465	465	464	463	462	459
11	459	459	462	465	472	477	479	479	474	465	459	453	442	443	451
12	475	457	467	465	465	467	467	450	451	451	442	439	440	442	439
13	453	454	462	465	478	482	489	488	479	465	461	455	452	447	448
14†	454	456	458	462	469	474	476	482	480	478	470	463	455	453	453
15†	454	456	462	472	485	492	497	492	482	473	463	458	453	452	451
16†	460	459	462	469	479	485	489	486	480	470	463	462	463	462	457
17	459	460	461	463	472	482	492	496	493	484	473	466	464	463	461
18	464	466	476	489	517	532	**539**	532	509	485	457	430	407	385	357
19	415	415	433	442	459	471	479	471	461	456	448	436	427	427	429
20	443	444	450	455	461	470	476	478	479	476	465	456	450	449	448
21	449	453	465	479	482	487	493	495	489	475	462	463	459	458	456
22	449	454	457	464	471	479	479	471	464	461	450	431	417	427	432
23	442	446	457	465	469	475	475	460	457	453	447	442	441	442	444
24	438	440	443	449	455	461	469	475	467	459	451	449	454	451	449
25	455	458	463	468	471	476	479	483	482	475	466	462	464	461	451
26	449	448	453	459	461	464	463	465	465	465	454	444	442	439	439
27†	449	450	459	473	486	494	495	493	485	474	464	458	454	451	454
28†	457	461	465	470	477	487	492	491	487	483	473	464	460	462	461
29	465	464	471	483	496	513	518	516	503	488	474	465	461	461	459
30	461	460	463	468	475	480	486	486	486	484	473	464	459	457	457
31	458	461	464	476	491	502	507	507	502	491	479	461	451	447	447
Mean .	454	455	459	467	476	484	**487**	485	479	472	464	457	452	449	448
Mean† .	457	458	463	471	481	488	**491**	490	484	476	467	461	457	456	455

JUNE.

1	456	456	461	469	480	496	502	498	489	477	468	463	459	456	457
2†	458	460	465	469	478	492	506	508	502	491	482	473	467	463	460
3†	458	463	470	480	488	501	509	512	509	501	492	482	472	466	464
4	468	470	483	491	502	510	509	506	499	490	481	474	466	467	469
5	460	460	457	453	455	464	472	474	472	465	440	407	**406**	419	422
6	430	437	444	440	445	453	449	444	429	430	423	429	431	432	433
7	452	447	455	464	473	486	486	481	479	469	457	447	446	445	445
8	443	450	455	461	464	467	473	473	470	464	455	448	452	454	455
9	449	451	456	457	459	471	482	480	483	479	468	456	445	437	443
10	448	449	455	465	474	485	485	481	477	467	457	451	446	446	447
11	446	448	450	456	464	476	485	481	474	466	462	458	458	456	447
12	454	457	466	474	458	471	478	483	486	478	462	455	451	454	458
13	439	441	449	455	468	481	487	489	484	478	468	454	441	441	446
14	447	444	445	452	459	470	481	488	483	476	464	457	453	457	459
15	449	441	438	439	455	467	473	465	468	465	451	441	436	435	434
16	446	449	453	454	461	469	473	478	482	488	485	474	462	455	458
17	448	450	456	463	473	482	488	483	478	470	457	447	441	443	444
18	452	453	459	471	474	492	495	490	486	487	476	465	456	450	451
19	440	443	448	452	459	467	473	476	472	467	462	455	448	444	445
20	446	448	455	467	484	493	498	497	493	485	475	460	453	449	443
21†	445	449	452	460	471	484	491	493	489	484	474	465	456	450	450
22†	454	455	459	467	481	492	492	487	483	475	464	460	456	454	454
23	461	463	467	474	482	491	492	492	496	495	487	473	466	466	465
24	461	466	471	476	481	484	485	483	477	469	461	454	450	451	449
25	458	459	466	473	484	494	496	494	493	490	480	471	462	456	454
26†	459	461	468	481	495	506	510	505	497	489	476	465	457	451	453
27	460	462	468	478	488	498	502	502	499	498	493	481	471	469	470
28	460	464	466	475	483	491	489	484	482	478	471	464	461	457	456
29	455	453	453	459	467	475	481	487	489	486	479	471	461	459	456
30	464	466	472	482	494	511	526	**531**	527	516	501	486	473	463	461
Mean .	452	454	459	465	473	484	**489**	488	485	479	469	460	453	451	452
Mean† .	457	460	465	473	485	497	**503**	503	497	489	478	469	461	456	**456**

†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

MAY. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
455	456	457	459	459	458	458	455	454	467	5 22	502	13 40	450	1
447	447	447	451	457	446	431	454	444	465	5 22	505	20 36	423	2
443	442	442	442	445	453	449	444	450	448	5 56	471	13 0	436	3
445	447	447	449	449	449	449	449	452	453	6 0	476	13 44	443	4
459	459	463	457	459	457	459	460	465	472	5 50	507	18 14	451	5
456	455	455	462	459	456	457	455	456	466	6 14	487	22 20	454	6
463	464	464	467	465	460	467	456	456	468	5 54	493	1 0	452	7
455	456	459	462	463	463	463	462	459	468	6 10	495	15 0	455	8
455	458	461	464	467	467	463	462	461	468	4 24	492	13 17	453	9
456	456	457	457	459	460	455	468	467	461	21 52	472	21 6	452	10
454	455	452	453	451	453	465	465	468	461	23 30	502	12 30	437	11
436	435	438	439	440	442	442	441	445	449	0 0	483	15 44	435	12
447	449	449	446	448	451	452	453	452	459	5 50	494	13 10	445	13
452	452	452	452	449	449	448	447	449	450	7 30	483	21 40	447	14†
455	456	455	454	454	455	458	457	455	464	6 2	499	12 10	452	15†
456	454	457	459	459	459	459	459	459	465	6 8	491	16 10	453	16†
459	457	457	458	461	463	463	464	463	468	7 6	498	17 2	458	17
355	**352**	356	355	371	387	391	394	405	**433**	6 30	**560**	15 30	**345**	18
430	437	441	442	441	441	438	439	442	443	6 8	482	1 14	410	19
447	447	447	440	447	437	436	441	446	454	7 20	481	20 18	434	20
452	447	441	445	447	445	445	447	449	462	7 24	499	17 30	440	21
430	434	436	434	434	433	436	437	439	447	5 40	485	11 52	415	22
443	442	442	444	437	437	441	438	439	449	5 42	481	19 30	435	23
448	448	454	454	454	458	452	454	454	454	6 42	472	0 2	438	24
448	448	456	453	456	458	465	454	453	463	7 6	486	19 16	444	25
442	444	445	445	447	443	441	442	445	450	8 44	467	13 2	438	26
453	454	455	454	456	457	457	456	456	464	5 10	497	0 6	449	27†
460	460	461	463	464	465	465	**464**	465	469	6 10	493	0 0	457	28†
459	455	454	457	457	463	460	461	463	**474**	5 56	520	16 12	453	29
455	455	455	457	460	456	459	459	455	465	6 24	488	20 20	453	30
447	447	447	455	455	453	453	454	454	467	6 30	510	12 38	447	31
447	447	449	449	451	451	451	451	452	460					Mean.
455	**455**	455	455	455	455	456	455	455	465					Mean.†

JUNE.

457	457	458	459	457	455	457	458	458	467	6 14	505	20 10	454	1
461	462	462	461	457	453	455	458	458	471	6 24	510	20 14	453	2†
463	463	464	465	468	469	468	465	466	478	6 42	513	16 10	462	3†
473	469	471	470	468	481	480	478	470	481	5 16	512	23 56	460	4
412	417	417	414	415	416	426	434	427	437	6 30	578	11 10	**403**	5
438	429	424	434	433	436	439	444	451	**437**	4 50	456	9 50	420	6
440	440	444	446	447	447	445	446	446	455	5 22	494	15 38	439	7
454	449	449	447	451	447	444	446	452	455	6 18	476	20 44	439	8
444	444	441	442	443	448	446	446	446	455	6 10	487	12 50	435	9
445	445	448	449	447	447	446	449	445	457	5 34	490	12 10	445	10
445	439	445	449	456	458	455	457	453	458	6 16	487	16 17	438	11
458	458	460	449	437	437	439	442	441	458	7 45	490	18 30	436	12
447	447	448	445	445	448	449	449	449	456	6 58	493	0 0	439	13
461	459	456	453	448	448	455	445	448	459	7 6	490	1 54	444	14
435	436	439	441	440	442	445	446	447	447	5 54	475	13 42	435	15
455	449	447	443	440	443	440	443	447	458	9 20	498	20 42	438	16
445	451	455	458	458	455	451	445	451	458	6 18	491	12 10	442	17
444	439	432	434	435	436	446	452	445	459	6 18	501	17 16	430	18
445	447	449	450	451	448	446	447	447	454	7 30	481	0 2	441	19
443	444	443	442	446	444	443	445	448	460	6 18	503	17 40	443	20
450	450	450	450	453	452	452	453	455	462	6 40	497	0 10	445	21†
454	455	455	457	457	458	459	458	460	465	5 26	496	14 50	455	22†
465	466	467	466	465	464	457	459	460	473	7 58	500	21 16	457	23
448	450	451	451	450	451	453	455	455	462	5 54	490	14 40	450	24
455	455	457	456	454	455	456	456	457	468	6 10	500	19 10	455	25
456	457	459	461	461	461	462	462	462	471	5 54	513	13 14	451	26†
468	472	466	455	458	463	462	463	461	475	6 18	507	18 52	447	27
458	459	459	459	460	457	457	461	464	467	5 36	496	21 38	455	28
455	457	461	463	463	463	465	465	464	466	7 50	493	0 20	453	29
461	461	463	466	468	470	470	473	473	**483**	7 2	**535**	13 50	462	30
451	**451**	451	451	451	452	452	453	454	462					Mean.
456	457	457	457	458	457	457	457	458	469					Mean.†

*See footnote on page B-17.

†Five international quiet days

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JULY. 37000γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	467	474	472	476	483	492	496	502	499	497	487	477	472	463	462
2	467	465	470	474	474	486	498	496	492	486	480	470	461	454	456
3	462	464	466	465	472	487	493	495	496	487	477	518	517	454	445
4	447	450	445	446	446	465	487	490	483	481	472	469	461	458	453
5	460	462	464	467	464	477	487	474	475	476	472	463	453	447	447
6	462	461	465	473	474	480	489	490	487	482	475	465	458	459	458
7	458	463	471	476	488	501	503	496	489	485	476	464	458	457	461
8	458	460	463	468	475	481	487	488	485	480	475	466	456	451	451
9	467	469	470	476	480	489	492	485	481	476	466	457	454	351	453
10†	361	459	464	472	487	500	508	508	501	490	481	470	463	460	459
11	461	461	468	479	487	496	503	503	501	493	483	479	477	474	475
12	470	467	470	473	480	497	505	501	499	502	501	488	474	467	464
13	466	473	478	480	486	495	506	494	492	489	481	473	467	463	461
14	465	467	469	472	479	489	498	501	500	499	496	489	483	481	479
15	471	459	462	455	452	457	460	462	478	487	492	486	478	474	470
16	465	459	462	469	474	479	472	478	480	476	468	464	463	463	461
17	461	462	465	476	490	503	503	500	500	490	477	469	467	466	462
18†	460	461	468	476	488	505	511	506	500	491	480	467	460	459	460
19†	463	463	464	471	477	484	484	480	487	484	471	462	461	464	465
20	465	467	476	488	500	518	528	529	524	512	499	483	470	466	467
21	462	466	469	475	484	492	503	505	502	500	492	481	469	464	464
22†	473	472	473	475	483	497	508	516	509	496	483	473	464	464	465
23†	467	470	477	485	493	499	506	510	508	504	493	481	472	470	469
24	471	471	475	484	494	505	510	512	512	515	502	488	480	478	471
25	474	477	483	489	495	510	519	529	524	504	489	480	471	471	472
26	467	469	470	472	482	490	493	488	487	483	474	468	464	465	467
27	468	469	476	481	487	494	501	503	503	500	489	479	474	471	471
28	473	476	482	491	498	503	508	510	506	501	494	485	478	473	473
29	480	479	479	481	491	501	505	506	507	499	486	470	455	444	444
30	462	465	470	483	540	540	513	489	476	413	382	368	368	341	358
31	438	450	441	438	446	444	451	455	459	459	453	439	432	427	427
Mean . .	464	465	469	474	482	492	497	497	495	488	479	471	452	458	458
Mean† . .	465	465	469	476	486	497	504	504	501	493	482	470	464	463	463

AUGUST.

1	443	440	441	454	462	463	474	479	467	464	442	437	428	431	434
2	442	441	442	446	451	465	473	475	465	461	451	446	446	443	440
3	448	450	454	459	463	454	466	469	472	470	463	442	409	417	434
4	443	444	452	464	464	468	453	448	452	455	447	440	439	435	436
5	444	440	437	442	440	456	461	465	468	460	448	443	443	441	442
6	447	449	453	461	467	475	482	487	468	455	457	453	448	445	447
7	454	451	451	456	464	470	478	474	474	468	452	460	455	455	455
8	453	458	468	478	490	503	505	503	498	484	469	460	454	455	453
9†	457	459	463	469	479	485	491	491	475	475	468	462	457	455	455
10†	460	465	471	477	475	474	479	480	482	484	474	463	459	460	464
11	472	472	471	475	499	523	517	510	501	490	477	469	460	458	457
12	464	470	472	475	476	478	480	479	478	480	478	471	467	468	469
13	475	469	448	444	463	483	495	494	488	474	472	468	361	458	460
14	458	483	465	473	483	493	500	503	496	488	475	467	463	460	457
15	460	459	463	468	477	489	484	486	483	483	480	475	467	461	460
16	460	460	460	463	477	493	506	508	508	502	494	480	460	459	458
17	461	462	455	455	459	463	457	459	458	455	448	454	458	456	459
18	483	481	481	492	507	517	527	526	515	500	487	483	471	465	466
19	487	470	472	479	490	490	494	499	501	506	507	502	486	479	462
20†	461	462	464	471	476	480	487	490	489	485	480	471	463	459	458
21	473	474	474	476	481	485	478	476	472	463	352	446	446	448	453
22	360	463	468	469	471	482	489	477	479	466	458	447	434	431	428
23	461	462	474	490	502	507	509	508	505	488	483	475	471	471	472
24†	476	477	482	488	499	508	503	498	495	491	486	481	476	468	467
25†	471	472	477	492	501	504	501	499	496	494	489	483	477	472	471
26	470	470	470	475	483	498	522	529	522	513	406	490	483	474	467
27	461	465	462	469	467	469	470	476	471	474	471	459	449	448	451
28	448	447	454	460	461	458	444	436	433	418	423	415	423	414	422
29	461	465	469	463	474	465	463	471	451	427	421	436	437	433	443
30	449	453	455	458	473	485	485	480	465	443	443	434	435	435	444
31	453	452	449	451	461	473	473	476	471	460	457	454	454	448	454
Mean . .	460	461	462	467	475	482	485	485	481	473	466	460	454	452	453
Mean† . .	467	469	473	481	487	491	493	492	488	487	480	472	466	463	463

†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich meon Time.)

JULY. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
462	463	462	462	461	463	464	464	468	474	7 8	505	20 22	461	1
456	457	458	460	460	460	461	461	463	469	6 14	503	13 6	454	2
447	441	439	437	440	435	441	443	449	466	12 6	540	16 34	432	3
445	450	447	450	457	454	460	462	459	460	6 36	497	2 0	443	4
449	449	456	456	457	459	457	458	460	462	6 14	492	14 6	447	5
457	459	459	464	461	460	458	457	456	**467**	6 20	494	15 0	457	6
458	460	461	458	458	459	460	459	460	470	5 54	507	12 14	458	7
451	452	454	460	464	466	462	466	464	466	7 10	492	13 14	451	8
459	461	460	462	464	465	469	468	462	468	5 50	496	13 30	449	9
460	460	461	462	464	466	464	463	463	473	6 38	513	1 2	459	10†
480	480	475	472	465	457	462	464	467	478	6 8	508	20 4	457	11
466	466	469	469	471	469	467	466	466	478	5 56	509	21 8	465	12
461	463	462	464	465	463	462	463	465	473	5 42	505	14 48	460	13
479	479	473	475	473	476	478	481	481	482	7 10	503	0 30	465	14
466	462	463	463	463	466	467	468	468	468	10 10	495	3 38	451	15
460	460	458	456	455	454	455	457	461	465	5 0	486	18 50	454	16
462	465	465	465	468	470	472	464	460	474	5 30	508	0 0	462	17
461	461	460	461	462	461	461	462	462	473	5 30	516	13 12	460	18†
465	464	464	465	465	465	464	463	463	469	8 10	493	11 26	461	19†
463	459	457	462	462	461	461	462	463	481	6 58	534	17 10	458	20
468	469	470	471	472	462	471	473	473	478	6 40	511	13 4	465	21
465	465	465	465	467	467	466	465	467	477	6 48	519	12 30	464	22†
468	467	469	470	470	470	470	471	470	481	6 42	513	13 30	469	23†
463	463	462	465	467	466	467	470	470	482	8 38	520	15 36	458	24
470	469	471	472	475	477	479	482	477	485	7 16	535	23 48	467	25
466	464	459	456	457	461	466	465	466	471	5 36	498	18 10	456	26
470	469	469	471	471	471	473	473	472	479	7 26	508	0 30	469	27
474	474	474	476	478	482	482	481	481	**486**	6 38	514	13 8	473	28
443	448	453	454	456	456	463	461	463	471	7 36	512	13 44	443	29
380	385	395	406	411	411	415	423	419	**429**	4 55	**559**	13 22	335	30
427	423	434	435	437	434	443	439	441	441	8 22	463	15 56	419	31
458	458	459	460	461	461	462	463	463	471					Mean.
464	464	464	465	465	465	465	464	465	474					Mean.†

AUGUST.

438	439	443	443	443	441	444	443	443	447	7 4	482	12 12	425	1
448	445	443	448	448	445	445	445	445	450	7 1	478	0 30	441	2
435	436	439	453	442	438	441	439	445	447	8 24	477	11 50	**402**	3
444	444	441	444	454	448	459	453	446	449	21 12	479	13 36	431	4
445	446	444	447	449	451	453	453	450	449	7 46	472	2 12	437	5
452	450	450	450	451	451	450	449	452	456	7 16	491	13 2	445	6
458	459	460	456	451	455	455	456	455	459	5 46	482	19 4	450	7
453	451	458	458	460	459	**457**	456	457	468	6 18	510	16 8	452	8
450	452	455	457	460	463	460	460	460	465	6 34	494	15 26	449	9†
465	467	466	468	468	468	470	477	473	471	9 2	488	0 4	461	10†
459	458	455	457	458	459	458	463	464	474	5 4	530	17 2	455	11
468	472	485	485	481	491	476	457	472	475	19 50	501	22 24	450	12
451	453	459	459	462	463	462	461	458	465	6 54	500	3 14	444	13
452	458	459	460	462	460	464	464	461	471	6 52	509	15 8	453	14
462	463	464	464	464	460	459	459	461	469	5 32	496	0 24	458	15
455	456	456	456	459	460	460	461	462	471	6 24	511	14 56	456	16
467	459	463	465	463	465	469	481	489	462	22 34	499	10 24	447	17
466	469	473	473	473	477	476	480	488	**487**	6 16	**532**	13 20	466	18
443	437	442	449	454	454	464	463	461	474	10 50	514	16 10	432	19
458	458	460	463	467	467	465	467	470	470	7 10	492	14 42	458	20†
455	451	448	452	465	463	461	461	459	463	5 0	489	11 52	447	21
435	441	447	458	460	455	455	455	459	458	5 24	493	14 2	428	22
473	473	472	471	472	470	474	469	475	481	6 28	513	0 46	461	23
467	468	469	471	472	470	471	473	370	480	5 0	514	13 16	468	24†
470	467	466	466	465	474	472	471	471	480	5 10	508	18 30	465	25†
457	456	464	471	475	477	464	472	473	482	6 22	532	15 30	451	26
447	459	456	452	443	435	433	435	442	457	7 4	482	21 46	432	27
427	445	443	449	443	446	450	454	457	**441**	3 82	465	11 16	408	28
443	439	441	443	447	462	466	453	456	451	4 16	483	10 10	416	29
438	434	439	446	449	446	446	447	452	452	5 5	488	11 12	429	30
451	454	454	459	460	459	461	460	460	459	7 20	479	12 48	444	31
453	453	455	458	459	459	459	459	461	464					Mean.
461	462	462	464	465	467	466	463	468	473					Mean.†

*See footnote on page B-17.

†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

SEPTEMBER. 37000 γ PLUS TABULAR QUANTITIES

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	475	471	471	474	485	493	491	485	480	477	471	463	455	449	455
2	455	460	466	464	469	461	454	468	463	466	473	470	464	454	429
3	460	465	455	454	465	478	475	470	469	469	446	436	441	455	452
4	463	464	465	469	477	484	491	489	485	472	459	440	433	443	450
5	459	458	456	458	464	471	471	480	484	482	473	468	465	464	464
6	466	468	475	485	500	515	522	522	514	499	482	470	466	461	459
7	459	457	459	461	461	466	473	475	473	467	458	459	468	471	470
8	463	464	465	465	474	487	497	504	506	505	497	487	476	477	475
9†	471	471	470	469	479	489	491	489	486	478	472	471	473	477	476
10†	479	479	471	467	472	483	491	495	496	491	485	479	475	476	475
11	473	470	479	482	499	512	517	507	496	494	494	491	485	479	477
12	475	476	475	465	469	474	467	467	469	471	466	466	465	467	465
13†	467	469	470	480	485	487	488	487	490	489	485	483	480	473	468
14†	470	468	462	458	464	474	482	487	489	484	481	475	474	471	469
15	472	471	471	481	493	499	500	502	506	502	493	487	484	480	480
16	488	490	491	485	480	485	500	504	504	497	483	467	453	458	450
17	459	467	469	460	464	483	496	500	494	496	454	418	415	417	416
18	450	449	446	445	448	459	468	471	473	469	459	453	456	457	458
19	459	461	466	476	485	493	498	500	492	493	493	483	475	475	473
20	459	460	460	465	479	493	498	486	473	465	467	464	461	462	459
21	465	466	471	480	494	505	508	504	497	490	485	477	470	468	465
22	453	454	461	460	467	480	484	484	483	479	472	463	455	450	446
23†	461	461	459	468	482	489	498	492	482	474	469	469	467	463	458
24	469	471	482	499	512	517	513	501	460	441	437	413	415	412	432
25	463	450	434	434	440	437	450	439	432	427	433	416	393	397	424
26	431	435	436	450	462	475	486	484	479	467	459	450	445	445	450
27	450	449	449	460	484	491	487	513	456	451	443	433	427	442	432
28	449	449	446	454	465	479	488	479	467	468	466	453	441	443	443
29	455	453	457	461	467	472	479	484	485	475	471	468	461	453	445
30	457	455	449	451	459	471	476	465	466	461	460	456	446	441	437
Mean . .	463	463	463	466	475	483	488	488	482	477	470	461	456	456	455
Mean† . .	471	471	467	469	477	485	491	491	489	484	479	475	474	472	469

OCTOBER.

1	451	452	451	452	457	463	468	467	467	464	463	463	458	459	464
2	458	459	463	463	467	477	481	483	477	471	463	458	457	452	455
3	466	466	467	471	482	488	491	494	493	489	480	469	466	466	463
4	469	468	471	481	492	501	509	515	510	497	483	475	472	476	468
5	481	481	482	488	499	509	522	516	505	493	479	471	469	468	465
6	478	479	475	478	493	514	527	529	518	500	490	490	491	488	478
7	487	483	481	487	500	517	533	539	529	509	501	492	488	489	487
8†	472	474	475	480	490	497	504	502	497	486	482	475	467	471	474
9†	477	477	474	479	489	501	509	509	502	491	487	484	484	481	482
10†	477	478	482	486	495	505	511	509	506	502	494	489	488	485	483
11	478	478	478	483	498	514	527	533	526	513	501	496	490	486	484
12	488	487	485	495	494	495	503	507	500	587	473	469	469	473	474
13	473	471	477	488	493	499	503	503	495	490	485	480	481	476	467
14	473	475	478	485	492	501	505	512	506	487	474	466	466	465	469
15	477	479	486	494	507	521	523	521	501	499	492	485	485	477	470
16	464	469	469	471	474	482	488	495	495	489	472	461	457	454	456
17	469	471	470	473	477	485	492	499	497	488	483	479	480	481	479
18	477	476	477	481	488	500	511	515	504	490	480	475	471	471	473
19†	484	484	483	485	493	501	509	512	509	497	489	485	483	480	479
20	483	485	487	494	507	522	539	543	531	517	505	497	488	483	479
21	479	477	479	487	497	508	515	519	523	519	496	489	481	474	474
22	480	482	486	491	505	512	515	514	503	488	485	480	475	469	467
23	481	481	488	497	508	520	530	524	520	510	501	495	491	488	484
24	481	483	491	490	489	491	493	496	496	456	424	433	446	430	411
25	458	458	468	473	475	478	487	491	481	471	472	481	484	475	463
26	469	466	466	477	485	490	495	495	490	486	467	453	438	434	462
27	472	470	473	477	480	487	491	494	493	487	476	474	472	460	445
28	473	473	477	482	484	493	494	490	486	482	477	477	478	478	468
29†	475	475	478	486	497	510	513	510	504	499	489	481	479	476	476
30	480	484	484	491	496	502	505	504	497	487	481	481	483	482	474
31	485	490	491	492	504	515	519	513	499	488	481	476	478	478	477
Mean . .	475	475	477	482	491	500	507	508	502	491	481	477	475	472	469
Mean† . .	478	479	479	483	494	504	510	509	504	495	488	483	480	479	479

†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

SEPTEMBER. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
459	453	445	454	456	455	453	463	458	466	5 44	496	16 45	441	1
420	414	424	443	443	449	448	448	449	452	10 4	476	16 12	409	2
447	450	455	451	459	458	455	458	457	458	5 8	482	11 30	435	3
451	449	451	454	450	454	461	462	459	461	6 10	495	11 42	433	4
463	463	461	463	462	460	459	461	462	466	8 14	488	2 14	456	5
455	454	455	461	463	462	463	462	461	476	6 54	528	15 42	452	6
468	465	460	461	460	463	462	462	462	464	7 6	477	10 23	455	7
474	483	478	475	477	475	472	471	470	480	7 42	509	0 34	464	8
473	476	475	477	480	476	476	477	478	477	5 36	493	2 42	469	9†
472	471	472	473	474	474	479	479	475	478	7 46	499	3 2	467	10†
477	474	475	479	481	477	482	481	483	486	6 20	522	1 22	469	11
466	467	467	465	467	461	472	471	468	468	1 20	482	19 56	461	12
466	469	469	470	470	471	470	469	470	476	7 54	494	0 36	467	13†
468	472	474	472	472	470	470	472	472	473	7 54	492	3 6	458	14†
480	480	480	482	483	482	483	481	486	486	8 10	508	1 42	471	15
432	438	451	449	447	451	453	460	461	469	7 14	509	15 32	430	16
429	443	446	447	447	447	453	451	451	455	7 18	504	11 18	410	17
456	456	456	456	457	459	460	457	457	457	7 46	475	3 14	444	18
470	459	459	443	445	453	457	459	472	473	7 6	502	17 2	443	19
445	429	441	450	456	457	461	462	461	463	5 38	503	16 12	424	20
463	464	469	467	465	469	470	463	458	476	6 0	511	23 54	454	21
444	449	447	450	455	461	461	460	461	462	6 22	487	14 42	441	22
456	456	458	463	465	464	466	467	467	469	5 48	499	15 8	455	23†
427	429	430	438	446	463	453	442	469	457	4 44	520	12 46	405	24
400	381	391	404	419	399	405	407	420	420	0 0	465	15 46	377	25
446	446	451	452	455	449	449	448	450	455	5 54	489	1 20	331	26
421	415	430	445	438	439	445	447	448	450	5 0	494	16 36	412	27
437	435	437	447	455	451	455	454	452	455	6 2	491	15 34	432	28
450	454	447	446	448	457	462	458	458	461	7 32	489	14 48	444	29
440	444	448	444	467	440	440	447	451	453	5 24	478	14 30	436	30
452	451	453	456	459	458	460	460	461	465					Mean.
466	468	469	470	472	470	472	471	471	475					Mean.†

OCTOBER.

459	461	457	460	462	461	467	466	458	461	6 16	472	2 30	449	1
449	451	455	458	461	466	465	464	465	463	6 38	486	14 56	449	2
463	461	463	462	462	463	464	465	467	472	7 0	496	15 40	460	3
455	447	449	456	463	466	468	469	479	477	7 4	518	15 36	446	4
465	464	463	472	469	471	473	476	478	482	6 2	525	17 14	462	5
473	474	476	479	480	487	490	479	491	490	6 50	533	15 2	469	6
478	472	460	351	359	361	471	469	469	488	6 48	543	17 30	450	7
473	472	472	474	474	476	477	477	474	480	5 56	507	12 19	466	8†
480	477	475	475	475	475	473	474	475	484	6 38	513	2 20	474	9†
480	479	478	480	478	481	477	479	477	488	6 6	514	0 0	477	10†
479	480	480	481	483	484	483	484	484	493	6 38	536	0 2	477	11
475	474	472	472	475	474	471	470	471	481	6 38	510	12 16	468	12
466	464	458	460	477	469	468	468	468	478	6 50	505	18 8	457	13
467	468	467	469	471	471	473	473	473	479	7 26	515	12 38	464	14
450	440	424	428	426	433	458	463	459	475	6 44	528	19 2	415	15
456	454	456	459	458	460	463	467	467	468	6 48	497	12 38	453	16
477	476	475	477	475	486	485	477	474	480	7 4	502	0 24	468	17
472	473	474	471	483	482	481	483	483	483	6 46	517	12 6	471	18
475	473	471	474	476	479	480	480	481	486	6 54	514	17 16	471	19†
474	478	478	472	482	466	480	478	476	493	6 40	547	2 40	462	20
476	476	477	474	476	484	479	483	479	488	7 56	525	18 38	469	21
464	467	465	463	460	468	473	477	480	482	6 10	517	18 52	457	22
484	482	482	485	486	488	489	492	485	495	6 8	532	23 46	478	23
401	409	430	455	461	455	453	453	455	457	7 54	502	14 48	399	24
457	441	436	441	436	444	459	467	470	465	6 30	493	16 45	421	25
446	451	470	461	461	474	469	469	471	469	6 36	500	13 17	430	26
456	455	463	461	465	469	472	475	477	473	6 30	497	13 0	443	27
450	456	466	468	470	472	473	475	475	476	5 20	497	15 10	446	28
475	476	476	476	476	479	479	479	480	485	6 6	515	0 10	475	29†
466	464	471	477	481	482	481	482	485	484	6 24	508	15 34	461	30
477	476	473	483	484	485	486	486	487	489	5 36	521	17 10	473	31
465	464	465	467	469	471	474	474	475	479					Mean.
476	475	474	475	475	477	477	477	476	484					Mean.†

*See footnote on page B-17.

†Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

NOVEMBER. 37000γ PLUS TABULAR QUANTITIES

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1†	488	489	493	500	511	522	527	523	515	506	497	494	494	494	493
2	487	486	496	510	519	523	525	527	525	515	504	500	497	497	495
3	493	499	508	518	527	538	540	536	531	519	507	498	489	487	486
4	488	486	490	498	500	506	512	511	503	495	489	488	489	489	487
5	487	491	501	521	534	536	537	534	527	526	518	510	504	496	498
6	488	494	497	503	511	524	533	535	527	515	503	494	491	487	487
7	489	491	501	510	520	536	544	551	**556**	537	511	464	436	456	453
8	470	470	474	478	481	488	492	491	483	463	455	439	450	457	466
9	473	475	477	481	482	484	495	496	485	477	472	471	466	468	471
10	474	473	479	488	493	497	497	495	489	482	481	481	478	477	475
11	478	480	485	489	494	504	509	507	504	493	483	476	473	475	471
12	473	475	476	479	481	488	493	491	488	483	480	477	473	470	467
13	481	482	485	491	493	500	508	508	504	500	494	485	471	455	446
14	474	474	474	482	485	490	501	504	496	487	485	485	479	472	472
15	479	479	482	486	490	503	516	521	515	508	500	491	483	473	470
16	476	476	476	476	479	486	496	497	490	486	485	484	479	481	481
17	486	487	492	501	511	515	516	512	510	507	501	494	490	490	488
18	501	499	498	505	513	519	533	531	525	515	505	501	499	495	494
19	482	489	499	495	496	505	509	508	501	495	494	492	494	490	482
20†	494	495	500	510	517	530	542	535	525	514	505	497	492	489	487
21†	486	486	490	497	504	511	515	518	517	508	499	490	486	485	483
22†	490	492	499	507	513	521	529	527	518	509	507	503	499	497	494
23†	489	487	487	492	499	509	518	520	515	505	496	493	491	490	489
24	490	490	495	503	513	527	542	552	540	529	519	507	499	489	494
25	464	468	476	489	496	506	516	511	501	481	476	465	453	437	431
26	479	479	486	487	487	499	504	506	498	489	486	484	479	476	473
27	478	478	481	489	501	517	527	527	517	508	503	495	488	482	477
28	486	485	484	490	493	507	512	518	512	501	488	481	486	488	484
29	475	477	479	484	489	495	503	502	491	486	479	475	471	470	467
30†	480	478	481	490	497	502	512	520	520	512	503	494	488	485	483
Mean . .	483	484	488	495	504	510	517	**517**	511	502	494	487	482	480	478
Mean† . .	488	488	493	501	508	517	**525**	525	519	510	502	496	492	490	488

DECEMBER.

1	489	490	491	491	493	516	542	**545**	534	507	490	500	496	494	484
2	472	475	486	483	476	495	497	495	501	493	493	493	500	485	483
3	482	487	493	499	500	494	491	488	478	474	475	478	475	468	472
4	521	492	467	454	458	452	451	**433**	438	436	427	429	419	**407**	412
5	457	457	462	466	474	482	479	475	472	467	457	453	455	456	458
6	458	461	463	465	468	472	475	475	467	464	463	464	464	464	461
7	469	471	477	489	495	495	493	489	484	474	466	459	463	464	467
8	484	478	484	493	493	502	511	507	497	485	478	477	478	478	475
9†	479	479	480	485	490	501	507	507	505	497	491	486	479	481	483
10	489	491	487	493	493	501	508	507	505	497	491	486	482	479	474
11	479	480	481	483	488	495	501	505	503	496	492	506	506	505	495
12	483	485	489	493	496	500	487	505	499	494	489	486	489	486	478
13	495	495	493	494	502	504	508	514	513	509	506	500	495	492	487
14	490	491	491	491	491	501	508	507	503	497	493	489	490	491	487
15	496	498	501	496	501	512	511	502	503	498	492	481	477	479	483
16†	485	488	489	493	498	502	502	496	490	489	488	488	490	491	488
17†	494	495	499	504	507	515	521	517	510	498	493	493	492	491	491
18	491	492	498	504	507	513	517	511	506	498	492	490	494	498	498
19	491	490	506	511	516	521	526	517	502	496	494	493	492	487	482
20	505	506	496	500	501	505	509	510	501	497	497	495	493	494	496
21	506	505	502	503	510	510	514	519	512	506	495	486	480	458	480
22	484	485	493	497	493	497	503	506	500	500	498	492	487	484	486
23†	489	488	492	494	496	507	512	510	505	499	494	488	486	489	489
24	485	489	491	498	504	489	505	505	506	497	487	485	494	487	480
25	473	477	491	485	482	491	503	498	497	489	479	476	478	473	470
26	479	486	489	491	491	494	500	507	477	502	493	478	470	477	478
27†	483	487	487	488	490	494	499	501	502	497	499	496	492	490	496
28	488	491	490	495	496	498	507	508	507	502	495	490	493	493	491
29	493	499	507	515	523	531	536	526	516	494	479	477	469	452	451
30	464	468	462	466	467	474	473	467	465	462	463	452	449	440	448
31	467	471	476	477	487	485	486	488	485	479	480	476	473	471	474
Mean . .	485	485	487	490	493	498	**503**	501	496	490	485	482	481	478	477
Mean† . .	487	489	490	494	497	505	**509**	507	503	496	493	491	488	488	489

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

NOVEMBER. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									*Mean.	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
491	490	488	489	490	490	492	491	490	498	6 6	528	16 52	487	1†
492	495	496	494	489	491	489	488	491	501	7 14	529	0 44	484	2
480	476	473	473	475	482	488	485	486	500	5 36	544	17 26	471	3
489	487	486	487	487	485	486	488	488	492	6 22	516	19 50	485	4
499	488	487	489	488	487	486	487	491	**509**	6 39	540	17 40	482	5
484	484	484	485	487	487	487	486	488	498	6 38	538	15 30	483	6
461	449	459	444	447	477	471	463	467	487	7 54	**564**	11 40	432	7
471	486	475	461	467	469	471	475	482	**471**	5 28	495	11 10	434	8
474	475	473	472	472	473	481	477	475	477	6 54	499	12 4	464	9
469	469	468	475	476	475	475	476	478	480	5 30	501	17 14	468	10
465	468	464	469	467	470	475	474	473	481	5 36	512	16 50	463	11
471	477	480	479	478	478	485	482	483	480	6 8	495	13 40	466	12
446	451	453	459	465	470	469	473	473	477	6 12	510	14 34	442	13
475	477	478	475	474	476	475	476	479	481	7 4	505	13 40	471	14
470	471	465	465	471	475	477	478	480	485	6 16	522	17 26	463	15
480	476	477	478	481	483	484	484	485	483	6 24	500	16 6	474	16
483	484	485	485	485	485	486	492	494	495	5 26	517	15 30	483	17
494	495	493	490	487	487	485	487	485	501	6 6	535	23 46	482	18
480	480	482	482	484	485	489	489	492	492	5 24	513	15 18	477	19
483	484	483	485	485	483	484	484	484	499	5 58	545	19 30	481	20†
485	485	486	490	490	491	490	492	493	495	7 50	521	13 38	483	21†
490	488	488	487	487	489	490	489	489	500	6 14	531	17 58	487	22†
489	488	487	489	490	490	492	490	489	495	6 46	523	1 30	486	23
496	502	486	479	456	453	457	461	465	497	7 10	554	19 50	449	24
479	446	453	459	466	473	478	482	483	473	5 40	520	14 44	428	25
474	475	477	478	479	480	481	481	479	484	7 2	509	14 10	472	26
479	478	478	480	483	483	485	485	488	492	6 50	529	14 18	476	27
484	486	485	483	483	477	479	478	476	489	6 50	520	22 34	473	28
472	473	467	468	469	472	480	479	480	479	6 34	507	14 12	463	29
483	480	478	481	482	483	481	484	487	495	7 26	523	1 20	478	30†
478	479	478	478	478	480	482	482	483	489					Mean.
486	485	485	487	487	487	487	488	489	497					Mean.†

DECEMBER.

460	459	463	461	470	464	469	475	470	489	6 48	**550**	15 34	451	1
482	480	479	477	477	476	478	478	480	485	7 44	509	0 0	471	2
466	462	469	473	476	478	487	493	516	483	23 50	537	16 6	459	3
422	431	440	437	438	446	448	452	458	443	0 0	526	13 20	**395**	4
457	458	455	458	452	452	456	456	458	**461**	4 58	484	19 8	447	5
461	463	464	465	466	466	465	465	465	465	6 18	478	0 0	457	6
462	465	466	468	483	485	480	480	484	477	4 14	499	11 2	457	7
468	473	476	476	475	475	477	477	477	483	6 5	515	14 56	466	8
477	475	475	482	480	480	481	482	485	486	6 18	509	16 46	473	9†
474	475	470	469	469	474	479	481	479	485	6 24	507	18 38	466	10
479	479	475	473	475	476	474	476	481	488	10 40	512	20 30	467	11
468	468	479	483	483	485	487	490	492	487	5 48	509	15 40	464	12
488	487	487	488	488	487	486	489	487	495	7 16	517	21 20	484	13
488	498	495	494	488	485	492	487	484	493	5 52	509	20 10	482	14
478	478	476	479	474	484	484	481	484	489	5 16	515	18 56	473	15
487	489	489	489	489	491	492	492	494	491	5 56	504	0 0	485	16†
490	490	489	487	487	487	488	487	488	496	6 8	523	18 30	485	17†
496	496	495	494	492	491	487	500	492	498	6 8	518	21 6	482	18
484	489	489	489	494	498	505	504	504	**499**	5 30	529	14 14	479	19
493	493	492	491	492	492	493	496	497	498	6 12	515	20 10	489	20
483	469	455	463	484	479	479	482	483	490	6 56	521	12 40	452	21
485	483	482	484	486	487	486	486	490	491	6 38	509	17 12	480	22
489	487	489	489	489	489	488	487	485	493	6 28	515	23 8	485	23†
478	466	455	471	471	476	473	477	480	485	5 14	515	16 40	443	24
472	467	468	462	471	484	490	478	481	480	5 54	506	17 44	460	25
480	479	480	481	482	483	486	484	484	486	7 24	511	11 50	468	26
482	481	484	484	483	486	487	487	487	490	7 38	504	15 38	479	27†
490	488	488	492	490	492	491	493	493	494	7 22	511	16 50	498	28
465	469	446	429	462	453	432	433	447	479	6 22	547	18 26	400	29
440	453	463	480	467	468	467	462	465	462	18 4	490	12 58	431	30
474	473	476	477	471	474	481	470	473	477	7 18	490	0 0	467	31
475	475	475	476	478	479	480	480	482	485					Mean.
484	483	484	485	485	486	486	485	486	491					Mean.†

* See footnote on page B-17

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JANUARY. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	859	861	861	866	866	857	840	843	850	853	855	861	861	863	863
2	864	864	867	872	869	857	853	853	861	867	872	875	866	868	870
3	867	866	866	869	870	868	863	857	861	864	867	871	868	865	866
4	872	864	869	875	874	859	846	837	842	855	864	867	863	862	863
5†	857	858	858	860	856	839	819	827	839	847	855	861	858	852	851
6†	845	845	847	853	852	829	819	829	827	830	835	849	849	849	851
7	851	851	850	858	870	857	847	835	832	842	854	856	850	846	847
8	844	845	847	854	855	843	838	838	842	848	852	854	849	845	848
9†	852	852	853	859	863	859	851	842	853	866	870	867	862	860	861
10	856	856	858	862	861	847	843	847	847	850	860	862	858	858	859
11	850	850	851	850	844	837	830	829	834	852	861	862	857	855	855
12†	848	849	852	856	858	852	836	826	827	829	837	844	847	849	851
13†	857	859	859	865	878	881	876	871	875	877	875	875	878	881	882
14	882	882	883	891	**908**	907	898	892	891	890	886	886	889	891	893
15	888	885	885	890	894	900	888	876	889	895	895	896	891	889	891
16	881	880	880	882	836	877	866	868	880	885	885	874	873	882	884
17	870	868	868	871	871	871	870	864	868	873	869	867	865	865	865
18	852	850	852	856	855	846	837	741	848	849	850	848	845	846	847
19	836	835	835	837	829	823	815	813	828	833	839	841	837	832	831
20	826	826	831	833	825	804	802	820	834	845	853	859	858	854	855
21	862	865	870	876	884	875	857	857	867	870	877	883	882	879	878
22	877	879	882	887	886	872	865	867	779	883	882	882	880	878	874
23	859	860	861	869	882	875	850	858	872	883	880	878	877	875	874
24	866	866	866	879	873	867	839	839	849	860	866	873	870	867	868
25	862	860	862	868	872	868	857	837	829	851	861	870	870	867	867
26	863	861	863	863	856	854	842	832	833	836	847	853	855	854	853
27	839	837	837	842	847	838	822	822	827	824	821	826	829	829	827
28	822	821	820	823	827	818	811	816	816	**800**	804	817	827	834	836
29	841	841	846	853	865	839	830	838	845	851	849	849	850	850	850
30	843	843	845	850	847	841	842	845	845	842	840	843	847	852	854
31	856	856	857	867	874	860	860	869	882	882	873	877	867	875	877
Mean .	856	856	857	862	**865**	856	845	**845**	851	856	859	862	861	860	861
Mean† .	855	855	856	861	**864**	854	842	**840**	845	851	855	860	859	859	859

FEBRUARY.

1†	870	870	870	864	883	871	855	861	871	872	873	874	878	875	874
2	868	866	866	872	879	874	863	665	875	873	869	869	867	866	866
3	860	859	860	864	874	874	863	853	852	852	853	858	861	860	860
4	856	855	858	865	874	870	853	847	853	854	855	857	857	855	853
5	853	851	851	856	858	846	828	831	844	850	853	853	851	848	847
6†	851	848	852	859	864	859	842	837	843	843	843	846	851	850	851
7	853	854	856	861	861	853	841	835	839	848	844	848	854	856	854
8	854	852	854	858	861	865	864	859	857	858	855	853	853	858	858
9	862	861	865	876	**883**	891	890	889	882	865	862	864	868	870	871
10	872	871	871	874	876	870	865	871	869	862	859	865	863	863	862
11	855	854	854	858	856	855	860	869	875	876	866	861	861	858	858
12	851	851	851	857	857	846	843	849	853	851	848	845	845	845	845
13	840	837	835	839	840	834	829	828	834	841	841	837	834	832	833
14†	837	836	834	837	841	837	833	833	840	841	838	837	839	843	846
15	854	852	851	853	856	854	851	854	859	856	843	833	837	845	849
16	851	848	847	853	861	866	866	862	859	857	855	848	842	846	852
17	850	849	845	847	850	853	856	860	868	869	865	857	850	851	854
18	847	846	847	851	857	857	855	849	848	845	849	849	849	851	849
19	847	848	849	853	854	852	852	854	851	845	844	846	849	854	855
20	849	848	850	851	853	851	844	838	840	845	850	847	849	853	855
21	848	848	849	853	861	858	851	845	847	850	853	850	850	854	854
22	851	850	850	853	856	856	859	857	856	857	854	846	845	853	857
23†	863	862	861	866	872	872	873	869	871	875	876	873	872	873	875
24	876	875	876	878	878	878	878	876	877	879	879	875	871	871	873
25	870	869	868	868	861	858	857	857	858	853	855	859	856	850	853
26†	852	853	853	851	846	838	829	825	824	832	840	844	844	844	845
27	850	852	855	855	847	833	817	**812**	819	830	841	850	852	848	848
28	849	850	853	858	855	843	830	825	830	839	844	847	847	846	848
Mean .	865	854	855	858	**861**	858	852	**850**	853	854	854	853	853	854	855
Mean† .	857	856	857	857	**863**	857	848	**846**	831	853	854	855	857	857	858

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JANUARY. 17000 γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
862	861	866	860	856	857	857	858	859	858	17 78	870	6 6	837	1
868	868	868	866	867	867	866	866	865	866	11 2	877	6 52	851	2
867	865	863	863	864	863	863	862	862	865	11 4	872	7 4	855	3
862	861	861	861	861	861	860	859	859	860	3 40	877	7 28	836	4
851	849	849	849	849	848	847	847	846	849	11 2	862	6 10	816	5†
851	850	851	852	852	853	853	853	852	845	3 32	856	5 38	816	6†
846	846	847	847	848	848	848	847	845	849	4 4	868	7 30	829	7
848	848	849	849	848	848	849	849	849	848	3 46	858	6 30	836	8
861	860	860	860	860	860	859	859	858	859	9 28	871	7 2	840	9†
858	857	857	857	858	857	857	856	857	856	3 44	864	5 40	842	10
855	854	854	854	854	854	854	854	853	850	11 0	863	6 20	828	11
851	851	853	853	854	855	855	855	856	848	4 24	860	7 20	824	12†
883	883	883	883	883	881	881	881	881	877	4 48	882	0 0	857	13†
893	893	892	892	893	892	891	891	888	891	4 26	909	1 48	881	14
883	888	887	887	887	885	883	883	881	888	5 4	902	6 54	873	15
865	882	882	881	880	878	877	876	875	879	4 0	888	26 30	863	16
847	864	863	863	863	862	860	858	856	865	8 54	874	23 36	858	17
831	847	846	845	845	844	843	841	839	846	3 2	857	6 30	835	18
856	831	830	829	829	829	828	827	825	830	11 8	841	6 14	814	19
877	856	857	858	858	859	858	858	860	844	23 44	861	5 40	799	20
871	875	874	873	872	871	872	872	874	873	4 2	885	6 30	852	21
873	868	864	862	861	859	858	860	857	873	3 42	889	23 0	854	22
868	871	872	871	870	868	869	868	866	870	4 26	885	6 12	847	23
868	866	866	865	864	864	863	862	861	864	4 24	877	6 20	834	24
852	865	862	862	861	860	859	859	858	861	3 52	872	7 52	825	25
827	850	863	849	848	847	845	842	853	850	2 20	865	7 2	830	26
837	827	826	826	825	825	825	824	823	829	4 2	848	9 44	819	27
851	839	840	841	842	842	841	843	843	828	22 16	845	10 30	795	28
855	850	850	850	851	851	851	850	849	848	3 34	872	5 40	827	29
878	856	857	858	859	858	859	862	860	851	21 10	862	5 30	839	30
878	879	879	879	878	878	878	877	876	873	8 30	884	1 30	855	31
861	860	860	860	859	859	858	858	858	858					Mean.
858	858	858	858	858	857	857	857	856	855					Mean.†

FEBRUARY.

875	873	875	874	873	873	871	871	871	871	3 42	886	6 30	855	1†
866	865	864	864	864	864	864	863	859	867	4 30	881	22 48	859	2
861	859	857	858	858	858	857	855	854	859	4 28	877	7 30	849	3
853	853	853	853	853	853	853	852	850	856	4 10	875	6 46	843	4
847	848	848	848	849	847	845	845	845	847	3 43	860	6 20	825	5
851	851	851	851	851	851	850	849	849	850	3 56	864	6 36	835	6†
853	853	852	852	851	851	850	850	849	851	3 33	863	6 48	834	7
857	857	856	857	857	857	854	852	853	857	5 36	868	1 8	852	8
871	871	873	869	869	870	870	869	867	872	5 0	893	1 6	859	9
861	856	857	857	855	855	854	853	852	863	4 0	877	23 56	851	10
857	856	855	855	841	854	852	849	850	858	8 30	878	23 50	847	11
845	844	842	842	835	841	839	838	836	846	3 20	860	22 38	834	12
835	835	835	835	851	835	832	831	831	835	3 28	843	6 42	827	13
849	849	851	851	856	851	850	849	849	843	17 0	851	6 40	831	14†
852	852	855	855	863	856	854	853	851	851	7 38	860	11 22	831	15
854	849	852	856	855	861	861	856	858	855	19 5	869	12 8	841	16
855	855	854	855	853	855	855	856	852	855	9 10	872	2 10	843	17
850	850	850	853	858	851	852	852	851	850	3 50	858	8 50	843	18
855	856	856	857	855	858	858	858	857	853	20 16	860	9 0	843	19
855	855	855	855	855	855	855	855	855	851	15 8	856	7 0	837	20
855	854	854	855	861	855	855	855	853	853	4 14	862	6 56	845	21
858	859	860	861	874	862	862	861	861	856	23 56	862	11 40	843	22
874	874	873	837	874	875	873	873	873	872	9 22	877	1 42	860	23†
872	873	874	875	853	874	871	870	872	875	9 20	880	22 0	869	24
854	853	853	853	846	853	851	851	851	856	2 0	871	13 10	849	25
844	846	845	846	852	846	846	845	846	843	2 6	854	7 30	823	26†
850	851	852	853	851	851	850	850	851	845	2 38	857	6 44	812	27
850	852	851	852	855	851	852	852	852	847	2 56	860	6 52	830	28
856	855	855	856	856	856	855	854	854	855					Mean.
858	858	858	857	857	857	856	855	855	856					Mean.†

* The daily mean hourly values of vertical force derived from 24 hourly values, have been corrected for progressive change by 1148th of the difference between the values of the initial and terminal hours.

† Five international quiet days.

MARCH. (Average for periods of sixty minutes centred at the full hour of Greenwich mean time.) 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	852	852	854	862	863	855	846	838	840	843	847	853	851	842	851
2	849	850	849	850	849	843	839	836	836	839	847	853	853	847	849
3	843	841	841	845	841	836	835	839	844	849	853	853	850	849	852
4	845	845	846	846	854	848	839	831	833	841	851	856	855	853	851
5	853	853	856	857	846	842	846	853	857	8 6	863	866	863	860	858
6	853	852	855	861	860	852	840	838	839	844	849	848	847	849	849
7	851	853	851	854	855	849	845	844	847	851	856	854	855	855	856
8	863	861	864	869	876	871	867	864	867	874	876	876	874	874	875
9	884	883	883	884	883	877	873	870	870	877	886	887	883	879	879
10	879	877	881	885	886	882	877	871	868	871	872	871	870	871	872
11	869	870	871	871	864	859	857	855	852	856	857	856	854	854	855
12†	854	855	857	855	847	839	831	831	835	844	846	843	841	845	847
13†	851	851	853	851	846	838	832	829	834	847	855	856	850	848	849
14†	854	854	858	866	870	861	850	838	836	849	859	861	859	858	857
15	870	871	876	877	869	859	856	858	868	876	879	879	877	877	875
16	879	878	881	886	886	881	873	863	863	873	875	875	877	876	875
17	872	875	874	875	868	863	857	854	861	865	868	866	863	863	861
18§	855	856	858	859	851	..	..	..	831	838	844	846	847	848	845
19†§	845	844	847	847	842	834	822	**820**	827	836	845	849	..	..	..
20†§	..	..	..	..	846	842	833	825	828	839	850	849	843	840	841
21	846	845	849	849	846	843	844	848	851	860	861	858	851	851	855
22	860	860	863	867	864	859	861	862	861	866	871	867	866	869	866
23	871	871	872	871	866	861	857	857	863	869	872	867	865	868	870
24	872	874	877	877	875	874	872	865	864	870	879	880	879	878	877
25	878	877	879	881	882	879	871	862	863	867	877	876	876	877	878
26	876	877	880	881	877	872	865	858	865	875	884	884	877	877	879
27	888	888	892	892	890	888	880	871	877	887	895	895	889	887	887
28	890	890	**893**	893	887	887	877	871	876	885	888	889	890	889	886
29	884	885	889	888	884	869	857	859	865	872	878	880	877	878	879
30	881	883	886	884	881	873	863	862	866	873	880	879	878	877	876
31	874	875	878	878	867	848	851	848	859	864	869	870	869	868	865
Mean§ .	866	866	868	**870**	867	861	856	**853**	856	862	868	868	866	865	865
Mean† .	856	856	858	**860**	856	848	839	**834**	836	848	854	854	850	850	851

APRIL

1	870	871	872	871	871	860	847	850	858	867	873	869	864	865	867
2	871	872	880	881	875	868	860	858	866	871	874	876	874	874	873
3	874	876	884	887	886	876	867	864	872	877	881	883	884	883	881
4	880	881	884	881	877	875	870	868	874	885	886	881	882	883	881
5	877	878	883	879	873	868	864	865	873	885	891	889	885	883	884
6	881	882	881	881	881	874	866	864	867	871	879	886	887	884	881
7	880	878	883	888	890	878	867	865	873	879	884	886	881	873	871
8	869	873	877	872	856	850	845	842	854	864	872	876	871	867	866
9	870	872	873	868	866	857	853	858	871	879	881	878	875	875	876
10	878	882	878	866	861	859	862	871	880	883	886	883	877	876	876
11	879	884	878	865	858	861	862	867	876	882	885	882	879	876	876
12	875	880	882	877	864	848	841	841	852	870	874	877	876	874	874
13†	877	879	881	878	875	869	858	859	862	869	878	883	881	878	878
14	878	881	888	886	882	872	864	863	865	867	877	885	885	881	880
15	880	884	885	875	870	862	852	853	858	866	873	875	875	873	873
16	873	876	879	871	859	846	**839**	839	845	853	865	874	872	872	868
17†	869	874	873	867	859	856	851	850	854	860	865	868	870	869	868
18†	872	875	876	872	870	863	863	864	870	875	876	875	875	875	875
19	885	889	887	879	871	865	863	868	880	889	893	**894**	890	885	884
20	881	882	879	869	859	858	854	854	865	872	874	873	873	872	872
21	871	872	871	868	856	853	852	849	852	858	863	872	873	869	867
22	867	871	871	863	847	841	849	856	862	872	878	879	876	871	869
23†	865	868	865	861	854	849	850	848	857	875	882	882	879	875	874
24	880	882	886	879	861	851	853	858	866	875	874	879	881	880	879
25	881	883	883	872	869	870	871	878	882	884	884	888	889	885	882
26	879	882	885	884	876	870	865	860	861	864	867	875	877	877	875
27	871	875	875	866	855	852	857	856	859	867	873	877	876	873	873
28	877	880	875	865	856	847	847	851	855	864	869	874	873	870	871
29†	876	880	878	869	861	854	855	861	867	872	876	881	879	873	873
30	877	882	875	861	845	840	845	849	856	865	870	870	871	869	870
Mean .	875	878	879	873	866	860	**856**	858	864	872	877	879	878	875	875
Mean† .	875	878	877	872	866	860	**857**	858	863	871	876	878	877	874	873

† Five international quiet days.
§ Loss of record; Mean of 28 days, 18th, 19th and 20th omitted.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

MARCH. 17000 γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
852	853	853	854	853	852	852	852	850	851	3 36	864	7 8	837	1
852	855	854	855	855	856	856	855	854	849	11 32	857	7 48	835	2
852	853	855	857	857	857	857	856	855	849	18 36	858	5 30	833	3
853	854	853	856	856	856	855	857	855	850	20 24	862	7 26	828	4
859	858	859	861	859	858	858	858	859	857	10 40	869	4 40	840	5
849	852	853	855	855	855	855	854	854	851	3 42	864	6 30	835	6
858	857	859	861	862	862	863	864	861	855	22 12	866	6 46	843	7
874	876	876	877	877	877	877	876	876	873	18 24	878	1 16	860	8
880	879	879	879	878	878	877	875	874	879	10 34	888	7 30	868	9
872	872	873	873	872	871	870	868	868	874	3 33	889	6 50	867	10
856	856	855	855	856	855	856	853	851	858	3 20	872	8 2	850	11
849	849	850	851	851	850	850	850	849	**847**	1 58	858	6 34	829	12†
849	851	851	851	852	851	850	850	850	848	10 50	858	6 42	829	13†
858	859	861	862	863	863	862	862	863	858	3 40	871	7 36	833	14†
876	879	879	879	879	878	877	876	875	874	10 38	881	7 26	855	15
876	875	876	877	878	875	873	873	872	875	3 44	887	8 4	859	16†
861	861	860	860	860	859	858	857	856	863	2 30	876	23 50	853	17
846	848	850	849	849	848	848	846	845	..	2 46	861	7 52	830	18§
..	..	..	..	..	..	..	..	..	..	10 48	849	6 30	**818**	19†§
841	842	843	844	844	845	845	843	842	..	10 14	852	7 4	824	20†§
856	855	856	857	857	858	858	857	857	860	9 18	862	5 14	841	21
865	866	867	869	869	868	867	869	867	866	10 11	872	5 22	857	22
870	870	872	874	874	874	872	869	872	869	19 6	876	6 31	856	23
877	878	879	879	879	880	881	879	879	876	21 8	882	7 18	761	24
878	880	878	880	881	881	879	877	877	876	3 54	883	7 22	859	25
882	884	885	886	888	887	887	888	888	879	23 52	889	7 14	856	26
887	889	891	892	890	890	890	891	890	**888**	10 48	**897**	7 0	869	27
887	887	889	890	890	890	889	889	887	887	2 26	895	6 54	870	28
881	882	881	881	882	883	882	882	881	878	2 0	890	6 16	856	29
877	877	878	878	879	878	877	877	877	877	2 4	887	6 42	861	30
869	871	871	873	874	874	870	870	869	867	2 46	880	7 4	843	31
866	867	868	869	869	869	868	867	867	865					Mean.§
851	852	853	853	853	853	852	852	852	851					Mean.†

APRIL.

870	873	873	874	874	872	873	872	871	868	18 50	877	6 16	843	1
875	877	879	879	879	878	877	876	875	874	2 22	883	7 4	856	2
884	885	885	887	886	886	886	883	881	881	3 52	889	6 42	863	3
884	885	886	886	891	888	888	885	882	882	19 30	892	6 46	867	4
886	885	887	888	890	888	887	885	884	882	10 10	893	6 34	861	5
883	883	884	886	888	886	884	883	883	880	19 14	889	6 48	863	6
871	871	872	872	872	871	871	870	869	875	3 44	893	6 54	862	7
866	869	871	871	871	871	872	870	870	866	1 58	877	6 36	840	8
876	878	879	879	879	879	879	879	879	873	9 38	883	5 50	851	9
878	879	879	880	880	880	880	880	880	876	10 10	887	5 42	858	10
877	878	879	879	879	878	878	877	877	875	1 10	886	3 50	857	11
875	876	878	878	877	877	877	877	877	871	1 50	883	6 50	839	12
879	881	882	882	882	881	881	880	880	876	11 16	884	6 20	856	13†
881	884	885	884	884	883	882	880	880	879	2 20	889	7 0	862	14
874	875	875	875	875	875	875	874	874	872	1 30	887	6 18	851	15
871	872	873	874	874	872	872	872	872	866	1 46	881	7 2	**837**	16
870	871	872	873	873	874	874	873	873	867	1 20	876	6 50	849	17†
877	879	883	885	886	887	887	887	887	877	20 14	888	5 20	861	18†
885	886	888	888	889	889	886	885	885	**883**	10 40	**895**	5 42	862	19
873	875	876	876	875	875	875	875	874	871	1 24	883	6 48	851	20
867	869	870	871	871	871	870	870	869	**866**	11 36	875	6 50	848	21
867	869	870	870	871	870	870	869	869	867	10 42	880	5 10	841	22
875	877	881	882	883	882	882	881	881	871	10 40	884	7 6	847	23†
879	881	883	883	883	883	883	882	882	876	2 4	887	5 4	850	24
883	883	884	883	883	883	883	881	882	881	11 30	889	3 50	868	25
874	874	875	875	874	874	873	874	875	873	1 44	886	7 10	859	26
874	877	878	878	878	877	876	876	878	871	18 30	879	4 44	850	27
874	875	876	877	877	877	876	876	875	869	1 14	882	5 16	846	28
874	875	877	877	877	876	876	875	875	872	1 16	882	5 20	852	29†
872	874	876	876	877	876	875	875	876	868	0 56	884	5 10	839	30
876	877	878	879	**879**	879	878	877	877	874					Mean.
874	876	877	878	**878**	878	878	877	876	873					Mean.†

*See footnote on page B-29.

†Five international quiet days.

§ Loss of record; Mean of 28 days, 18th, 9th and 20th omitted.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

MAY. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	876	880	878	871	862	855	858	857	851	870	876	877	875	870	869
2	871	872	871	866	858	855	857	859	859	862	863	861	863	862	861
3	865	870	871	855	858	851	849	849	852	857	861	864	866	865	864
4	866	869	873	866	857	849	849	856	862	868	872	871	871	869	869
5	868	873	872	864	855	847	845	851	859	864	866	870	873	870	866
6	870	874	870	866	862	856	849	847	852	863	871	874	871	867	866
7	870	875	873	867	863	854	851	854	863	870	873	877	876	869	866
8	868	872	867	855	841	839	845	849	853	867	874	873	867	859	860
9	861	864	867	860	853	854	857	864	871	879	879	878	873	867	869
10	880	884	880	872	862	857	855	853	860	874	883	889	882	875	876
11	889	896	887	871	857	851	847	849	859	868	879	887	884	881	878
12	881	883	884	883	872	868	870	874	877	882	885	884	880	879	877
13	885	889	881	869	849	845	845	851	859	868	875	882	882	878	874
14†	879	883	881	875	862	850	843	845	851	859	863	865	863	858	856
15†	857	864	867	859	844	844	844	847	852	851	855	856	857	855	853
16†	857	863	865	853	845	842	841	841	850	853	856	862	862	859	857
17	858	866	873	870	856	845	839	844	848	854	855	858	860	861	860
18	859	862	860	856	848	841	437	845	856	863	867	866	861	860	860
19	861	862	851	843	829	822	**822**	827	832	840	850	858	858	854	850
20	852	856	855	850	841	833	831	835	843	855	867	875	876	873	872
21	881	885	883	886	878	867	865	871	876	877	882	885	884	879	878
22	882	885	880	867	851	841	844	851	859	867	867	866	865	869	871
23	874	881	881	875	867	864	867	868	872	871	878	874	871	871	872
24	878	882	874	863	841	839	840	847	854	860	865	866	867	867	865
25	864	871	872	862	854	850	848	851	859	867	874	869	865	862	860
26	862	867	868	867	861	847	845	855	868	876	879	873	865	858	857
27†	867	870	858	845	833	834	840	847	849	858	866	869	865	857	853
28†	864	870	871	866	851	842	839	839	847	857	863	860	856	856	855
29	866	868	866	863	861	860	859	854	851	855	859	861	861	861	859
30	870	878	879	869	856	845	840	843	848	858	865	870	871	868	867
31	875	882	883	874	856	841	835	841	851	863	869	875	878	877	875
Mean .	870	**874**	872	865	854	848	**847**	851	856	864	869	871	869	866	865
Mean† .	863	**868**	867	858	845	841	**840**	843	849	855	860	862	861	857	855

JUNE.

1	880	889	894	885	865	852	852	857	859	864	872	877	881	879	875
2†	873	879	879	872	848	832	828	832	841	847	852	856	860	858	856
3†	856	859	863	860	846	833	828	823	829	842	847	849	849	848	845
4	851	855	856	848	834	824	825	830	840	843	845	847	847	844	843
5	842	847	852	851	836	822	821	825	835	840	840	840	839	837	837
6	848	853	850	847	834	833	838	844	855	872	884	891	862	891	889
7	895	**897**	895	891	884	878	872	875	883	890	889	889	889	888	886
8	891	893	891	885	873	869	871	870	881	884	883	881	878	879	879
9	893	885	879	875	859	847	851	859	868	877	882	885	884	878	875
10	880	882	874	868	859	854	858	864	865	868	877	882	877	871	870
11	880	885	885	886	879	868	863	860	864	873	878	878	874	874	873
12	882	884	876	869	854	846	845	843	853	862	869	869	865	859	858
13	875	881	878	870	860	857	753	855	858	863	873	881	880	872	866
14	875	880	880	879	873	864	851	840	851	870	878	878	876	872	868
15	876	880	875	870	859	847	843	843	857	865	870	869	869	869	867
16	871	875	878	873	851	843	853	862	868	873	877	877	873	867	864
17	866	869	867	864	853	848	843	844	847	851	854	858	859	859	855
18	855	859	861	860	850	835	822	**818**	826	837	842	842	842	846	844
19	845	849	851	845	830	821	825	825	835	848	855	861	863	864	863
20	874	878	878	871	861	858	859	859	861	864	869	872	875	875	871
21†	883	886	892	894	885	875	861	863	872	873	878	884	887	883	877
22†	880	883	882	871	855	848	847	852	863	870	875	875	873	873	875
23	867	869	867	861	852	843	838	845	856	859	860	861	859	855	854
24	859	861	861	860	854	851	849	847	842	846	849	851	852	851	850
25	858	865	859	847	834	830	825	827	833	835	838	842	843	843	839
26†	847	850	845	835	829	827	831	832	831	834	848	859	857	852	849
27	859	863	861	855	847	838	835	843	850	854	854	855	858	857	853
28	862	869	866	858	846	835	829	824	835	847	852	859	857	851	850
29	859	863	862	859	848	838	822	823	837	849	854	861	862	857	852
30	856	860	857	846	833	845	821	821	833	847	857	871	872	868	862
Mean .	868	**872**	871	865	853	845	**842**	843	851	858	863	867	866	864	861
Mean† .	865	869	**870**	865	851	841	**837**	839	846	853	860	865	865	863	861

† Five International quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

MAY. 17000 γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
871	873	874	874	874	873	872	871	870	870	1 24	883	5 4	854	1
862	867	870	871	885	874	871	869	869	865	20 38	876	5 8	854	2
86	869	869	871	869	870	869	868	866	863	1 54	874	6 32	846	3
867	867	869	869	870	871	870	870	869	866	1 50	874	5 36	847	4
867	868	870	871	871	871	871	870	869	865	1 22	875	5 50	844	5
866	867	868	869	869	869	869	869	869	866	1 0	876	7 6	846	6
867	869	870	871	871	873	871	879	869	868	11 20	879	5 54	850	7
860	862	863	865	865	865	865	865	865	861	10 20	876	5 10	838	8
871	873	875	877	877	877	879	879	879	871	9 28	881	4 20	852	9
877	873	881	882	882	881	882	882	884	875	10 26	890	7 06	852	10
879	881	883	883	883	881	883	889	895	876	23 14	863	6 0	848	11
879	880	881	882	881	881	880	880	879	879	1 30	890	4 44	856	12
874	876	877	877	878	876	875	875	875	871	0 58	900	5 42	841	13
854	855	855	855	855	855	855	854	854	859	1 6	884	5 52	844	14†
852	853	855	854	853	852	852	853	849	853	1 50	867	4 22	842	15†
856	858	855	860	860	859	859	859	858	856	1 48	867	6 56	839	16†
858	859	861	862	862	862	862	861	860	858	2 20	875	5 54	838	17
860	861	865	868	867	869	869	867	865	860	17 58	871	5 44	836	18
853	847	854	847	848	849	854	852	852	846	1 33	854	5 54	820	19
873	876	879	880	880	880	880	879	879	864	23 58	883	6 6	829	20
880	883	885	884	884	883	883	882	883	880	11 10	887	5 44	863	21
872	874	875	875	875	875	875	875	876	868	0 54	886	5 10	841	22
874	876	879	878	877	877	877	874	875	874	1 0	883	4 54	863	23
866	867	868	868	870	869	869	869	868	868	0 58	883	4 22	833	24
859	859	860	860	862	860	861	862	863	861	0 58	873	6 28	847	25
857	858	859	859	859	859	859	859	860	862	9 50	880	5 48	843	26
855	855	858	860	860	858	859	851	850	855	0 46	872	4 8	832	27†
856	858	858	858	858	858	858	857	857	856	1 52	872	6 42	838	28†
860	863	864	864	865	865	865	864	865	862	0 44	869	8 18	851	29
869	869	870	872	872	871	870	869	869	865	1 20	880	5 46	840	30
877	878	880	880	879	878	876	877	876	870	1 26	885	5 54	833	31
866	867	869	869	869	869	869	869	869	865					Mean.
855	856	858	859	859	858	858	858	859	856					Mean.†

JUNE.

876	876	877	878	877	877	875	873	873	873	2 2	895	5 14	849	1
856	857	858	858	859	858	857	857	856	855	1 30	881	6 28	827	2†
846	848	851	852	852	852	851	850	850	847	2 16	863	7 2	821	3†
844	845	847	848	848	847	849	847	845	844	1 30	858	5 0	823	4
837	838	837	838	839	839	839	840	841	880	2 36	855	4 56	819	5
889	891	891	891	890	891	891	891	893	873	23 56	897	4 40	831	6
885	887	888	888	887	887	888	888	889	887	0 44	898	6 8	871	7
883	884	885	886	886	887	886	886	885	882	0 56	894	6 52	868	8
875	877	877	879	879	877	876	876	877	874	11 46	887	5 12	846	9
874	875	878	879	878	879	879	879	877	873	0 54	885	5 10	854	10
875	877	877	878	877	877	877	877	877	876	1 0	887	7 6	859	11
863	866	868	871	867	866	865	864	865	864	0 54	889	5 44	841	12
868	870	871	872	871	870	870	870	870	869	11 22	884	5 48	852	13
870	871	873	873	873	872	872	871	870	870	1 28	883	7 10	838	14
867	867	868	869	870	870	869	869	869	866	1 2	881	6 32	838	15
865	865	868	869	868	869	867	865	863	867	2 28	880	5 10	843	16
855	856	858	859	859	858	856	856	854	856	0 54	871	5 58	843	17
844	844	845	848	848	848	846	845	843	844	2 10	863	6 44	817	18
863	865	867	862	869	870	869	869	870	854	23 58	872	4 54	820	19
872	874	877	878	876	876	875	875	874	871	1 30	880	4 40	857	20
878	879	879	879	879	879	878	878	877	879	2 50	896	6 20	856	21†
876	877	879	880	880	880	878	878	877	872	1 36	884	5 42	847	22†
855	856	856	857	856	857	856	853	852	856	1 2	870	6 4	837	23
850	851	851	851	851	851	851	851	851	852	1 28	862	8 4	841	24
839	839	839	840	839	839	839	838	838	840	1 0	867	5 56	824	25
849	850	851	852	851	851	851	850	849	845	11 4	869	4 44	825	26†
854	855	858	859	856	856	856	855	855	854	0 54	864	5 46	831	27
852	854	856	857	857	858	857	858	858	852	1 18	871	7 16	823	28
852	853	853	853	853	853	852	851	852	851	1 6	865	6 24	818	29
863	865	866	869	870	868	868	868	867	856	11 20	874	6 8	822	30
862	864	865	866	866	865	865	864	864	863					Mean.
862	863	865	865	866	866	865	865	864	860					Mean.†

*See footnote on page B-29.

†Five International quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JULY. 17000 γ PLUS TABULAR QUANTITIES

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	875	878	877	870	865	861	860	863	861	856	861	865	863	863	863
2	870	874	873	865	853	843	840	843	849	852	861	869	869	866	862
3	864	868	866	855	838	833	833	838	849	860	866	861	855	855	856
4	870	876	872	858	845	833	838	836	841	850	856	860	862	861	861
5	873	877	872	860	851	845	842	850	859	863	868	870	872	869	865
6	876	881	880	873	867	860	857	859	860	859	862	865	866	868	866
7	877	880	874	866	859	851	850	856	863	866	867	869	866	866	868
8	872	874	875	876	862	857	867	861	854	864	878	880	874	867	862
9	867	869	867	863	856	853	851	853	855	865	865	863	855	853	855
10†	863	867	861	853	838	838	841	845	839	839	846	862	867	861	854
11	857	862	862	856	846	853	860	858	864	875	878	881	882	876	875
12	882	887	878	867	857	855	854	864	864	865	879	889	**890**	883	877
13	878	885	888	883	877	864	851	843	841	844	860	873	879	880	876
14	875	880	882	877	866	855	839	839	842	861	874	885	885	877	873
15	876	883	887	885	870	853	851	850	839	847	864	871	872	875	873
16	877	882	879	871	860	854	858	853	856	861	864	870	875	875	869
17	874	878	873	869	872	867	868	864	865	866	870	870	869	871	868
18†	873	878	881	878	869	870	865	865	867	872	877	881	883	880	873
19†	877	884	885	880	872	850	831	818	836	846	851	859	865	868	867
20	880	885	886	879	863	849	845	852	855	867	874	877	877	874	869
21	880	884	887	882	873	860	845	846	859	866	873	883	884	877	870
22†	875	881	880	871	858	843	836	850	863	872	874	871	865	859	860
23†	869	872	873	873	865	847	828	832	844	859	869	870	867	861	856
24	858	860	858	854	849	844	841	839	843	843	844	847	850	847	847
25	848	851	851	843	826	809	**796**	803	818	837	857	872	878	877	874
26	877	883	891	886	871	860	861	858	855	860	865	869	874	874	874
27	872	878	875	874	866	853	841	840	844	860	869	871	873	872	870
28	867	872	874	869	858	849	840	837	850	861	871	880	877	871	864
29	866	874	874	868	853	844	838	838	844	846	852	864	871	869	861
30	864	869	867	854	844	843	845	848	849	860	869	873	873	869	861
31	861	865	861	853	837	827	826	829	841	851	859	865	865	860	856
Mean . .	871	**875**	875	868	858	849	**842**	846	851	858	865	870	871	869	865
Mean† . .	870	**875**	875	870	859	849	**839**	841	849	857	863	869	870	866	862

AUGUST.

1	857	860	860	856	847	836	829	826	834	840	854	860	859	852	847
2	856	861	862	855	843	838	835	838	848	845	851	858	857	853	848
3	863	867	865	858	851	843	847	853	857	862	862	860	858	851	850
4	865	868	870	867	859	852	845	850	855	851	849	853	854	853	850
5	855	861	857	844	828	825	828	832	839	851	855	855	854	849	847
6	856	860	854	841	820	805	808	820	824	825	835	845	846	841	838
7	850	856	851	845	827	817	817	822	823	830	839	843	846	841	839
8	856	862	864	856	844	836	827	829	841	850	860	861	858	855	852
9†	872	870	873	864	850	847	849	854	855	863	873	879	878	871	866
10†	877	884	884	882	856	837	847	862	873	888	891	884	879	873	871
11	878	883	880	872	855	847	851	859	872	882	886	887	886	878	872
12	878	882	881	870	860	852	857	861	867	869	875	881	880	872	869
13	874	881	882	866	841	826	833	844	852	861	871	874	874	866	865
14	871	869	872	873	859	844	849	857	865	866	868	875	874	868	864
15	876	881	879	867	852	839	845	855	863	868	876	882	879	872	869
16	880	886	884	875	862	858	854	855	865	875	878	883	887	882	876
17	878	882	886	881	867	867	871	876	869	869	877	879	876	870	871
18	877	882	882	875	871	855	846	847	853	865	876	881	884	877	870
19	877	878	877	865	845	846	852	856	862	869	879	871	871	870	869
20†	870	874	873	865	856	848	845	840	846	862	872	871	875	866	859
21	863	870	870	857	846	838	840	846	851	853	860	864	861	854	851
22	859	864	862	852	843	846	848	852	860	872	881	887	886	879	881
23	887	892	887	872	861	857	857	861	873	884	889	891	885	881	884
24†	886	890	890	885	880	875	868	867	871	881	888	890	887	880	879
25†	880	884	884	876	866	855	852	855	872	886	**894**	893	888	879	875
26	878	884	881	866	849	841	843	861	874	882	886	884	877	874	872
27	877	879	881	879	873	867	865	865	867	872	877	879	880	877	876
28	879	883	887	883	873	864	860	852	855	858	864	877	877	874	874
29	876	880	882	871	860	851	847	849	857	856	863	869	872	869	867
30	870	874	872	861	853	847	837	838	854	868	877	880	876	870	868
31	875	879	878	866	847	834	834	845	856	858	862	869	873	872	868
Mean . .	871	**875**	874	866	853	845	**845**	849	857	863	870	873	872	867	864
Mean† . .	876	879	880	874	861	**852**	852	855	863	876	**883**	883	881	874	870

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

JULY. 17000 γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
864	864	865	865	863	863	861	860	860	864	1 54	879	8 52	855	1
863	864	865	865	864	863	863	862	862	861	1 0	876	5 48	839	2
858	859	862	865	863	863	863	863	862	857	1 30	870	5 40	832	3
861	862	862	862	864	865	865	864	864	858	1 20	878	5 0	829	4
865	865	866	867	867	867	868	867	868	864	1 4	879	5 40	839	5
867	868	870	872	872	872	870	870	869	868	1 4	882	6 20	855	6
868	869	870	871	871	871	871	871	871	867	0 54	882	5 20	849	7
863	863	863	863	863	863	864	865	866	866	10 38	882	7 50	353	8
856	857	859	860	860	859	859	859	858	859	0 32	870	5 58	850	9
854	855	855	855	854	854	854	854	854	853	1 16	868	4 4	837	10†
878	880	882	883	885	885	885	885	884	873	23 59	888	4 6	842	11
877	879	880	881	881	881	881	879	879	875	11 28	891	4 58	852	12
876	877	879	879	878	879	878	878	878	872	2 14	889	7 58	840	13
874	876	877	878	877	877	877	877	877	871	11 20	887	7 24	835	14
873	873	875	875	875	874	874	874	875	869	1 54	389	8 0	837	15
869	871	873	874	874	873	872	872	872	869	1 28	883	7 0	851	16
870	871	872	874	875	874	874	872	871	871	1 0	880	7 8	863	17
873	874	875	875	875	875	874	874	873	874	12 22	884	6 20	863	18†
868	869	870	872	872	872	871	871	871	864	1 44	888	6 58	816	19†
871	871	871	872	873	873	875	872	872	870	1 52	888	5 44	843	20
871	873	874	874	875	874	874	873	873	872	2 4	888	6 42	843	21
863	865	866	866	866	866	866	867	867	865	1 20	884	5 42	834	22†
859	860	861	859	859	859	858	858	859	859	2 24	875	6 16	825	23†
847	847	849	848	850	850	850	850	850	**849**	1 4	861	6 42	837	24
875	878	882	884	885	884	885	885	886	858	23 14	891	6 4	**793**	25
875	876	878	879	878	878	878	878	878	873	2 0	**892**	8 18	853	26
871	873	875	876	876	875	875	875	875	868	1 4	881	6 16	839	27
866	868	870	871	872	871	871	870	870	865	11 22	881	6 44	834	28
864	865	869	870	869	869	867	868	868	861	1 14	877	6 6	837	29
865	867	869	871	871	871	870	869	867	863	11 54	876	4 54	839	30
857	860	859	859	860	862	862	861	863	854	1 0	868	6 24	824	31
867	868	869	870	870	870	869	869	869	865					Mean.
864	865	866	866	866	866	866	866	866	863					Mean.†

AUGUST.

849	850	852	853	852	853	853	853	852	849	11 10	862	7 5	825	1
850	850	853	853	854	854	854	854	855	851	1 28	864	6 20	833	2
855	857	859	858	859	858	858	858	858	857	1 4	869	4 56	842	3
851	851	852	853	852	851	851	853	852	854	1 54	871	6 22	844	4
846	847	849	849	849	850	849	849	850	847	0 50	863	4 42	824	5
837	839	839	840	840	839	839	839	840	**836**	1 16	861	5 30	**801**	6
840	840	843	844	845	843	842	842	842	839	0 58	857	5 32	815	7
853	855	857	859	856	857	857	856	856	853	1 40	864	6 22	823	8
868	868	868	868	869	868	868	869	870	866	1 30	881	5 18	846	9†
872	872	873	873	873	873	873	874	873	877	9 30	893	5 4	834	10†
873	875	876	876	876	876	876	876	876	874	11 6	888	5 0	845	11
870	871	872	875	874	874	875	837	872	871	2 38	884	5 22	850	12
868	870	870	871	871	871	871	870	871	864	1 25	885	4 56	824	13
866	865	867	868	868	869	869	868	868	866	2 2	879	5 0	842	14
870	872	873	874	875	873	873	873	874	869	11 6	884	5 2	836	15
875	875	876	878	877	876	877	876	877	874	11 54	889	6 20	852	16
872	874	875	877	877	876	874	873	877	875	2 18	887	4 30	863	17
870	871	873	874	875	875	876	876	875	871	1 28	885	5 52	845	18
868	867	865	868	869	869	869	870	871	867	1 20	879	4 12	843	19
860	862	862	863	863	863	862	863	864	862	10 56	878	6 50	840	20†
854	856	856	857	857	857	857	857	858	855	1 34	873	5 16	835	21
883	881	883	885	887	888	888	889	890	873	23 59	892	4 8	840	22
886	887	888	888	889	887	890	890	889	881	1 16	893	5 14	855	23
882	884	885	887	886	886	886	886	886	**883**	1 20	891	6 26	866	24†
878	879	881	882	881	881	881	881	881	878	10 2	**895**	6 2	851	25†
876	873	876	878	879	881	881	879	880	873	9 54	887	5 30	837	26
877	878	878	879	879	879	878	878	878	876	1 44	884	6 52	862	27
874	875	876	877	877	877	877	877	878	873	2 6	889	7 14	851	28
870	871	873	873	873	874	873	173	873	867	1 50	884	5 30	846	29
869	869	868	870	870	870	871	870	871	866	11 12	882	6 26	832	30
868	870	871	872	873	874	874	875	873	865	1 20	891	5 20	830	31
865	866	867	868	869	869	869	869	869	865					Mean.
872	873	874	875	875	875	875	875	876	872					Mean.†

* See footnote on page B-29.

† Five international quiet days.

SEPTEMBER. (Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.) 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	882	886	889	883	869	853	852	860	868	872	879	880	881	880	879
2	885	889	895	888	876	862	856	866	874	877	879	880	878	877	880
3	882	888	893	882	867	863	854	855	865	875	881	881	878	873	872
4	877	881	881	875	868	864	861	869	873	876	877	880	875	867	867
5	871	878	875	864	850	839	839	839	850	859	864	868	864	861	865
6	877	879	884	879	868	866	863	860	864	877	889	891	885	876	875
7	883	888	887	880	867	863	864	864	866	874	880	879	877	876	880
8	889	896	895	880	861	849	848	860	876	887	894	892	884	877	881
9†	889	897	893	872	853	841	842	857	876	885	889	889	882	878	879
10†	886	894	895	881	857	846	844	850	863	874	883	885	881	876	875
11	876	881	883	869	852	845	845	847	857	871	879	878	872	866	867
12	873	877	875	857	829	826	830	839	853	863	868	867	861	856	858
13†	864	870	871	854	839	834	838	849	856	867	875	878	873	867	867
14†	881	885	885	876	865	856	851	857	868	877	884	886	883	877	877
15	885	888	888	879	870	862	864	863	873	885	889	888	884	877	878
16	886	887	884	882	875	872	870	873	881	888	890	887	885	881	884
17	887	892	897	888	870	861	853	853	871	883	887	883	876	877	878
18	881	885	887	881	885	855	851	857	868	875	879	878	874	872	874
19	879	882	882	870	859	861	864	864	869	877	885	884	874	867	870
20	871	876	875	858	842	839	835	839	849	858	865	866	861	856	857
21	855	858	859	851	844	843	834	836	851	862	865	860	852	846	847
22	847	851	851	834	811	803	808	818	833	855	866	869	869	866	869
23†	879	883	883	871	855	859	863	866	874	883	892	892	884	878	881
24	885	889	887	876	866	862	848	857	881	898	902	898	891	878	882
25	888	886	889	876	865	857	857	858	873	886	894	894	889	882	885
26	893	896	889	878	870	865	864	869	877	888	891	888	883	879	882
27	885	885	884	871	857	852	858	870	876	884	890	886	879	877	879
28	887	887	884	879	869	862	862	864	873	880	884	885	882	877	877
29	887	888	893	887	873	858	848	850	861	872	877	877	869	862	862
30	865	868	871	859	832	830	830	830	854	867	869	865	861	858	858
Mean . .	879	883	883	873	858	852	850	855	866	876	882	881	876	871	873
Mean† . .	882	888	887	873	856	848	845	854	869	880	887	887	882	875	876

OCTOBER

1	865	868	869	859	843	834	837	846	859	871	870	865	861	861	861
2	865	869	873	869	858	842	842	843	848	858	865	862	862	864	864
3	872	876	878	871	862	865	859	861	864	866	867	865	864	863	864
4	872	875	876	865	851	846	848	850	861	872	876	874	864	866	867
5	865	868	870	864	848	835	831	841	861	880	887	885	865	862	864
6	881	886	890	880	866	852	851	854	863	877	886	885	878	875	877
7	881	882	886	881	865	859	852	855	870	881	886	887	880	878	878
8†	880	883	886	881	873	863	856	861	870	876	879	878	876	878	879
9†	881	883	885	877	869	862	859	858	869	881	886	883	879	880	880
10†	880	882	887	883	874	859	855	857	865	876	882	882	878	877	878
11	877	879	884	879	868	859	851	848	855	862	874	874	871	871	872
12	869	871	876	875	873	858	848	833	837	850	861	865	864	862	863
13	868	868	875	875	868	860	859	858	857	868	877	878	876	876	879
14	881	883	885	882	875	870	868	869	873	880	883	884	883	882	883
15	881	881	885	882	875	867	864	866	873	876	879	878	874	875	876
16	877	879	882	879	874	871	873	875	880	884	883	878	874	875	876
17	879	882	890	888	879	871	868	867	872	877	880	881	879	879	881
18	881	882	887	884	875	867	863	867	875	881	886	887	884	884	884
19†	879	880	886	882	867	861	854	859	870	875	878	879	874	872	872
20	867	867	870	865	849	833	828	839	855	865	870	871	866	863	862
21	856	855	858	853	848	849	843	847	856	861	861	860	856	853	853
22	851	852	854	851	845	845	845	849	852	853	852	854	853	853	853
23	852	852	856	855	845	844	854	870	877	881	882	880	875	871	872
24	867	869	877	882	877	868	863	868	872	878	870	868	871	877	879
25	874	876	878	878	874	867	866	870	877	881	882	881	879	880	879
26	874	878	882	882	877	867	865	871	875	878	880	876	871	874	871
27	875	877	880	881	873	866	869	879	886	886	884	879	877	878	875
28	878	878	880	879	874	866	866	868	872	871	870	869	870	873	873
29†	874	875	877	875	871	874	875	869	879	877	873	871	872	873	872
30	873	874	878	875	872	866	862	867	871	871	869	866	867	869	867
31	861	859	864	869	866	853	856	862	865	864	859	854	850	853	853
Mean .	872	874	877	874	866	858	856	859	867	873	875	874	871	871	871
Mean† .	877	879	883	879	870	863	859	860	870	877	880	879	876	876	877

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

SEPTEMBER. 17000 γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
879	881	881	882	882	883	883	882	883	877	1 50	890	5 42	877	1
875	877	877	877	879	881	881	881	881	878	2 2	896	5 38	854	2
874	875	876	877	876	877	878	876	878	875	1 54	895	6 30	859	3
870	871	871	871	869	870	871	871	871	872	1 36	883	5 46	859	4
869	870	871	873	873	874	874	874	874	864	1 20	880	5 6	838	5
876	877	879	880	881	881	882	883	882	877	10 20	892	6 54	857	6
882	883	884	884	885	885	885	885	886	879	1 18	890	7 18	862	7
883	858	886	887	887	887	887	887	887	881	1 34	899	5 30	846	8
882	883	884	885	885	885	884	883	884	878	1 12	900	5 23	840	9†
877	878	880	881	881	879	880	880	881	875	1 42	897	6 14	843	10†
869	871	871	872	872	874	872	872	872	868	1 48	886	5 10	843	11
861	863	864	864	865	865	864	864	865	858	1 30	880	4 36	825	12
870	873	875	876	877	877	878	878	879	866	23 58	882	5 22	832	13†
879	881	882	883	884	885	885	885	885	877	10 56	888	5 46	851	14†
879	881	883	885	886	886	886	885	885	880	1 36	890	5 14	861	15
884	883	885	886	887	886	885	887	887	883	1 48	892	6 1	869	16
878	879	881	883	882	883	883	883	883	879	2 6	898	6 32	748	17
875	875	876	876	876	876	877	877	877	874	1 54	888	5 54	850	18
870	871	872	871	871	871	871	870	874	872	10 30	887	3 58	856	19
860	861	858	859	860	860	860	859	859	857	1 42	879	6 20	832	20
84	850	849	849	849	848	849	849	850	**850**	10 10	865	6 0	831	21
872	875	877	876	876	877	878	879	879	856	23 58	881	4 16	**801**	22
883	883	884	884	885	885	885	885	886	879	10 34	893	4 22	855	23†
887	886	889	892	890	890	891	889	888	883	10 20	**904**	6 20	845	24
888	888	891	884	894	896	893	894	894	**884**	19 54	898	5 20	848	25
884	886	888	889	889	890	891	890	890	883	1 8	898	5 54	862	26
881	880	878	881	884	882	882	883	883	878	9 44	892	5 18	852	27
879	878	881	879	882	882	882	882	882	878	0 56	888	5 50	861	28
862	862	863	863	864	863	866	865	865	868	2 2	893	6 20	845	29
859	860	860	862	861	864	861	859	862	857	1 50	874	5 10	828	30
875	876	876	877	878	878	878	878	878	873					Mean.
879	880	881	883	883	883	883	883	883	876					Mean.†

OCTOBER.

862	864	864	865	865	865	865	865	865	860	9 4	873	5 36	832	1
865	866	867	869	870	871	870	870	870	863	2 18	875	5 14	840	2
865	866	866	867	868	867	867	868	867	867	1 54	879	5 26	857	3
868	869	870	871	871	871	872	872	872	867	1 42	879	5 4	846	4
865	864	864	865	866	866	865	865	864	863	10 0	888	5 40	829	5
879	881	881	881	881	881	881	881	880	876	1 56	891	5 12	849	6
880	882	883	882	883	884	883	883	881	877	10 34	889	6 10	850	7
880	879	880	881	881	880	880	880	879	877	2 8	887	5 38	855	8†
881	882	883	884	884	884	884	883	883	878	2 6	886	6 42	856	9†
879	880	882	882	882	882	881	879	879	877	2 14	888	5 46	854	10†
873	874	874	877	875	875	875	874	873	870	2 16	885	6 36	847	11
866	866	868	870	870	870	870	869	869	863	2 28	878	7 10	831	12
880	881	882	884	884	884	884	884	884	875	18 3	886	6 50	856	13
883	883	884	8 5	885	885	886	885	885	**881**	2 10	886	5 36	867	14
879	880	878	879	881	880	881	883	883	877	2 12	886	6 36	862	15
877	878	878	879	880	880	880	881	881	878	9 10	886	4 50	870	16
881	883	883	884	884	885	885	885	884	880	2 22	**892**	7 2	865	17
885	884	884	885	885	884	883	883	883	881	2 12	889	6 24	863	18
872	872	872	872	872	872	872	872	872	872	2 16	888	6 6	852	19†
862	863	864	864	864	863	861	861	859	859	10 50	872	5 38	**827**	20
853	855	855	856	855	854	854	854	854	854	9 2	862	6 10	842	21
856	856	856	857	857	856	856	857	857	**853**	18 40	859	4 24	843	22
872	873	874	874	874	874	875	874	874	868	10 12	882	4 24	842	23
879	877	879	881	881	880	880	879	879	875	2 48	884	6 20	862	24
881	880	879	882	879	880	879	880	881	877	16 46	885	6 4	865	25
874	872	873	875	874	875	876	875	874	875	2 28	885	5 32	863	26
874	875	876	875	875	876	876	875	875	877	9 54	887	5 0	865	27
874	873	873	874	874	873	873	872	872	873	2 40	881	5 12	865	28
872	872	872	872	871	871	870	869	869	874	2 2	878	22 20	869	29†
867	864	864	864	865	863	861	859	859	867	2 20	878	23 58	858	30
854	853	854	854	854	854	853	853	853	860	3 0	869	11 58	849	31
872	873	873	874	874	874	873	873	873	871					Mean.
877	878	878	879	879	879	879	878	878	875					Mean.†

* See footnote on page B-29.

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hours of Greenwich mean time.)

NOVEMBER. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1†	862	862	863	861	855	847	**846**	853	861	862	858	855	856	858	857
2	866	866	866	865	865	868	873	882	888	886	883	885	885	885	885
3	885	885	889	888	883	882	883	886	889	885	883	882	881	883	883
4	881	881	884	884	884	883	882	881	884	881	880	876	872	875	875
5	873	872	868	864	861	867	864	867	874	879	879	875	866	868	868
6	869	869	872	872	864	857	852	854	862	869	868	864	863	863	865
7	866	865	866	870	871	866	860	858	865	868	867	868	863	863	866
8	871	872	871	871	864	864	867	874	879	885	881	884	876	878	880
9	894	894	888	892	888	886	884	887	889	885	883	886	887	886	886
10	887	885	885	885	886	889	889	893	**896**	891	887	885	885	885	885
11	879	878	877	880	879	875	872	876	879	881	880	880	874	873	873
12	867	867	871	873	867	864	866	867	867	863	862	862	862	864	864
13	866	866	866	867	862	860	859	865	866	867	870	868	863	864	864
14	867	868	871	872	868	865	867	869	869	868	865	870	871	869	868
15	872	873	877	880	876	870	866	872	879	880	880	879	874	873	873
16	879	879	880	883	879	876	875	880	885	880	876	879	880	881	880
17	882	882	886	885	876	873	871	871	876	881	885	887	885	885	885
18	881	884	884	884	880	879	878	885	891	890	884	882	883	883	882
19	877	879	881	887	883	879	873	877	881	883	884	883	881	881	881
20†	875	875	875	880	873	863	860	869	878	882	882	885	881	880	881
21†	883	881	881	887	885	879	872	875	879	882	883	885	883	882	884
22†	883	881	881	884	884	879	884	893	896	893	892	889	883	882	884
23	886	887	890	894	885	869	870	879	884	888	887	885	885	886	887
24	886	886	889	890	879	873	871	878	883	888	889	888	883	882	882
25	878	878	879	883	877	870	871	879	882	877	876	879	877	875	877
26	872	872	876	880	873	863	857	858	863	865	865	870	868	868	869
27	865	867	868	872	865	852	850	856	862	863	868	869	864	861	861
28	853	855	853	856	856	851	853	865	874	875	878	884	886	886	886
29	878	880	882	884	883	876	877	886	888	883	890	895	894	893	892
30†	886	886	886	891	893	884	871	873	888	887	889	895	894	890	890
Mean .	875	875	877	**879**	875	870	**869**	874	879	879	879	879	877	877	877
Mean† .	879	878	878	881	879	871	**867**	873	881	882	881	**882**	879	878	879

DECEMBER.

1	881	882	886	894	893	880	877	877	878	878	879	883	888	886	886
2	886	887	888	892	886	881	889	882	884	883	882	890	893	891	891
3	886	887	889	893	890	883	875	875	880	882	882	889	888	887	887
4	884	884	887	901	**911**	909	899	889	881	881	883	886	888	886	886
5	880	879	877	881	876	873	873	875	879	883	883	881	878	877	878
6	878	879	879	882	879	869	868	873	877	877	877	877	875	874	876
7	878	879	877	877	874	863	864	872	878	877	879	876	872	873	874
8	873	874	874	876	872	861	861	867	873	876	873	872	870	872	871
9	871	871	869	868	862	849	847	851	857	860	863	864	864	863	862
10	864	865	867	868	869	861	850	844	848	854	859	867	867	867	866
11	869	871	873	877	877	872	868	870	874	875	879	881	880	879	879
12	882	883	883	891	890	880	874	870	873	878	884	887	884	885	884
13	880	881	885	886	880	869	862	865	869	875	879	881	881	881	880
14	874	875	875	879	880	876	869	872	875	878	884	889	889	890	890
15	884	885	884	888	886	880	878	874	876	878	881	883	886	885	885
16	882	882	881	888	888	888	883	880	882	882	882	881	882	883	884
17	886	886	884	888	890	890	890	882	884	888	889	890	889	890	889
18	887	887	886	892	893	887	884	881	876	874	876	880	885	887	886
19	881	881	882	889	889	882	885	886	881	881	881	882	884	885	885
20	884	884	884	891	889	887	888	886	883	879	879	880	879	889	881
21	879	880	877	883	880	866	862	867	867	873	879	876	873	875	875
22	876	875	874	876	873	871	871	871	874	874	874	873	867	870	871
23	873	873	873	871	862	847	852	863	869	875	877	877	873	875	877
24	877	877	880	882	869	854	852	859	871	877	879	878	873	876	877
25	877	877	881	882	875	865	867	873	875	873	881	883	881	882	883
26	880	881	882	883	881	870	861	863	874	878	883	883	882	885	885
27	880	882	884	886	871	855	852	861	873	882	886	887	884	882	881
28	878	879	881	888	884	867	855	859	869	874	877	877	877	877	877
29	870	871	873	876	871	858	855	865	873	873	873	874	873	871	872
30	863	868	867	873	874	863	857	860	862	863	866	868	864	867	864
31	859	859	860	864	869	853	**837**	837	847	847	852	866	871	870	873
Mean .	877	878	879	**883**	880	871	**868**	869	873	875	877	879	879	879	879
Mean† .	878	879	878	**880**	875	865	**865**	869	873	878	879	880	878	879	879

† Five international quiet days.

(Averages for periods of sixty minutes centred at the full hour of Greenwich mean time.)

NOVEMBER. 37000 γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
859	859	859	860	860	860	860	859	859	858	1 36	863	5 30	**845**	1†
885	885	886	887	887	886	886	885	884	880	8 14	888	3 42	863	2
884	883	884	884	883	882	881	880	879	883	2 20	891	23 14	877	3
876	876	875	876	875	875	875	874	875	878	4 12	885	12 2	872	4
869	870	870	869	869	868	868	867	868	869	9 40	880	3 47	859	5
865	865	866	868	869	869	867	866	866	865	2 42	874	6 3	851	6
867	869	864	866	865	865	866	865	863	866	9 12	873	6 40	856	7
881	880	881	881	881	881	880	880	881	877	9 18	889	4 14	862	8
887	887	888	888	887	886	886	886	885	887	3 0	894	9 20	882	9
884	883	884	884	884	883	882	881	881	885	8 10	896	23 59	881	10
872	872	872	872	872	871	870	870	869	875	8 46	882	23 30	869	11
864	865	866	866	866	866	866	865	865	866	2 16	873	10 34	861	12
863	863	864	865	865	866	867	865	864	865	9 50	870	5 38	858	13
868	868	868	868	868	868	868	868	869	868	2 20	874	9 46	863	14
873	873	874	873	873	873	873	873	874	874	9 20	882	5 50	865	15
880	880	879	879	879	879	878	878	878	879	7 58	886	5 26	874	16
884	883	883	882	882	881	881	881	880	881	2 44	887	6 50	870	17
882	881	881	881	881	880	879	879	877	882	8 12	893	23 20	875	18
882	882	881	881	879	878	877	877	876	880	2 32	890	6 10	871	19
881	881	881	881	881	881	879	878	878	878	10 56	886	5 38	858	20†
883	883	883	885	885	883	883	882	882	882	3 28	890	5 50	872	21†
884	885	886	887	887	886	885	885	885	886	8 10	896	5 12	877	22†
886	886	887	887	887	885	885	885	885	885	2 52	895	5 34	866	23
882	882	884	883	883	880	880	878	880	882	2 40	892	5 26	871	24
876	877	878	878	877	876	876	875	875	870	7 52	885	5 2	868	25
868	868	868	868	868	868	868	867	867	868	2 50	881	6 10	857	26
860	859	859	859	859	859	858	857	857	861	2 52	873	5 26	848	27
885	885	887	887	887	887	886	885	885	875	19 0	878	5 10	851	28
893	894	895	895	893	892	891	891	892	**848**	17 52	896	5 36	874	29
890	889	889	889	888	888	888	887	888	**887**	11 28	870	6 24	867	30†
877	877	877	878	877	877	876	876	876	876					Mean.
879	879	879	880	880	879	878	878	877	878					Mean.†

DECEMBER.

889	885	886	886	886	886	885	887	887	885	3 34	896	5 2	872	1
891	889	890	889	889	889	888	888	888	**888**	11 58	894	5 42	877	2
888	888	888	889	888	887	887	885	878	885	3 12	895	23 8	873	3
880	881	883	883	881	880	880	879	880	887	4 12	**914**	1 46	874	4
878	877	877	879	876	874	874	873	873	877	9 24	885	5 38	871	5
876	875	875	885	874	873	873	871	871	875	3 2	884	5 38	866	6
873	873	873	872	869	870	869	868	867	873	10 4	880	5 20	859	7
871	869	870	871	871	870	869	868	867	870	2 58	877	5 20	858	8
862	863	864	865	865	865	864	864	864	**862**	1 10	872	6 2	846	9†
866	866	867	869	868	868	867	867	867	863	18 0	869	7 16	843	10
879	880	877	877	877	878	879	879	879	876	11 10	883	5 40	867	11
884	883	884	884	884	882	882	881	880	882	3 20	894	7 12	870	12
878	878	877	877	876	875	875	876	876	877	2 36	889	6 0	861	13
890	890	891	891	890	889	889	887	885	883	17 42	892	6 12	867	14
885	885	885	885	884	884	884	883	883	883	3 34	889	7 14	872	15
885	884	883	883	884	884	884	885	885	884	3 36	891	1 56	879	16†
889	888	888	888	888	887	886	885	885	887	5 28	893	7 6	881	17†
885	885	884	884	884	883	881	880	880	884	3 34	896	9 0	873	18†
884	884	883	883	883	881	881	880	880	883	3 42	893	1 32	878	19
881	880	880	880	889	888	877	876	876	883	3 4	893	23 32	875	20
875	877	876	876	877	876	875	875	875	875	3 10	885	5 44	859	21
871	872	871	872	872	872	871	871	871	872	1 10	877	12 24	868	22
876	876	876	876	875	875	875	874	874	871	10 8	877	5 2	846	23
878	877	875	877	876	877	878	875	877	874	2 40	884	6 4	851	24
881	881	882	882	882	883	883	881	882	879	13 58	886	5 38	862	25
885	885	885	885	885	885	885	884	884	881	18 50	886	6 32	859	26
881	880	882	882	882	882	881	881	880	878	10 36	889	5 58	850	27†
875	875	875	875	875	875	874	874	874	874	3 24	890	6 0	854	28
871	871	872	870	867	870	865	865	866	869	8 26	877	6 14	854	29
863	861	867	862	864	862	863	862	861	864	3 30	880	6 20	856	30
872	872	872	873	872	873	873	872	871	863	19 14	874	6 22	**834**	31
879	878	879	879	879	878	877	877	876	877					Mean.
879	878	879	879	879	879	878	878	878	877					Mean.†

* See footnote on page B-29.

† Five international quiet days.

At Colaba, a day is classed as (1) a quiet day, or a day of (2) small, (3) moderate, (4) great or (5) very great disturbance, the letters for distinguishing each class being C, S, M, G and VG respectively. For representing intermediate conditions of activity of the smaller period movements, sub-classifications Ca, Sa and Ma are used. Roughly speaking a storm having a range over 225 γ in the variation of the horizontal force during the first twenty-four hours after its commencement is classed as " Very Great ". It is " Great " if the range is between 150 γ and 225 γ, "Moderate" if the range is between 65 γ and 150 γ and " Small " if the range is less than 65 γ. The range is however not the only criterion used in assigning the character of a storm. The oscillations in the magnetograms are duly taken into account in determining the class to which a particular storm should belong. During the year there was one day of " Great ", 13 of " Moderate " and 139 of " Small " disturbances. No storm of " Very Great " intensity was recorded during the year. The following table gives a list of principal disturbances recorded during the year. Of the smaller disturbances, only those which showed special features have been included in this table.

PRINCIPAL MAGNETIC DISTURBANCES, 1934.

Date.	Time of beginning. G. M. T.	Duration in hours.	Horizontal force during storm.				Range	Relative magnitude.	Remarks.
			Maximum.		Minimum.				
			Time.	Magnitude.	Time.	Magnitude.			
	H. M.		D. H. M.	γ	D. H. M.	γ	γ		
January 1	8 10	37	1 8 46	37471	1 18 18	37352	119	M	Commencement sudden.
„ 28	9 52	87	31 5 32	37484	28 18 8	37426	58	S	Do.
February 8	17 16	53	9 1 30	37466	9 17 20	37330	136	Ma	Do.
„ 15	11 21	60	16 6 50	37481	16 17 0	37314	167	Ma	Do.
March 4	14 —	85	7 5 48	37464	5 10 15	37356	108	M	Commencement gradual.
„ 16	1 —	24	16 5 4	37493	16 15 0	37425	68	S	Do.
„ 31	4 —	44	31 6 8	37483	31 5 25	37368	115	Sa	Do.
April 4	15 —	30	5 5 20	37483	5 15 20	37392	91	S	Do.
May 2	11 —	38	3 7 10	37471	2 20 36	37423	48	S	Do.
„ 11	20 —	14	11 23 30	37502	11 22 52	37449	53	S	Do.
„ 18	4 6	24	18 6 30	37560	18 15 30	37345	215	Ma	Commencement sudden
June 4	13 —	60	5 5 50	37507	5 18 14	37451	56	S	Commencement gradual.
„ 11	10 —	34	12 7 45	37490	12 18 30	37436	54	S	Do.
July 3	10 30	38	3 12 6	37540	3 16 34	37432	108	M	Commencement sudden.
„ 30	3 19	27	30 4 55	37559	30 13 22	37335	224	G	Do.
August 12	16 22	31	12 19 50	37501	13 3 14	37444	57	S	Do.
„ 26	5 42	91	26 6 22	37532	28 11 16	37408	124	M	Do.
September 1	9 —	64	3 5 8	37482	2 16 12	37409	73	Sa	Commencement gradual.
„ 24	1 —	95	24 4 44	37520	26 1 20	37331	189	M	Do.
October 15	4 —	20	15 6 44	37528	15 19 2	37415	113	M	Do.
„ 23	21 —	72	24 7 54	37502	24 14 48	37399	103	M	Do.
November 7	4 50	56	7 7 54	37564	7 11 40	37432	132	Ma	Commencement sudden.
„ 24	5 —	42	24 7 10	37554	25 14 44	37428	126	Sa	Commencement gradual.
December 1	5 —	38	1 6 48	37550	1 15 34	37451	99	Sa	Commencement sudden.
„ 3	20 —	27	3 23 50	37537	4 13 20	37395	142	Sa	Commencement gradual.
„ 11	10 33	13	11 10 40	37512	11 20 30	37467	45	S	Commencement sudden.
„ 29	4 —	43	29 6 22	37547	29 18 26	37400	147	Ma	Commencement gradual.

Fourier analysis of the diurnal and annual variations of Horizontal Force for the five International quiet days during 1934.

Diurnal variation : $\triangle H = c_1 \sin(\theta + \varphi_1) + c_2 \sin(2\theta + \varphi_2) + \ldots\ldots$, θ is counted at the rate of 15° per hour from midnight to midnight (G. M. T.).

Annual variation : $\triangle H = c_1 \sin(\theta + \varphi_1) + c_2 \sin(2\theta + \varphi_2) + \ldots\ldots$, θ is counted at the rate of 30° per average month.

Quantity.	Diurnal Variation.												Annual Variation.
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
c_1	9·6	10·3	14·3	16·5	15·6	20·4	17·1	13·9	8·1	13·7	16·2	9·4	5·2
c_2	4·3	4·4	5·3	7.5	8·4	11·0	10·6	6·4	5·7	7·3	8·1	4·1	2·9
c_3	2·4	3·5	3·2	2·9	2·7	2·9	3·6	1·1	2·4	3·9	3·4	2·3	0·8
c_4	0·9	1·2	1·7	1·7	0.4	0·7	0·4	1·0	1·8	1·4	1·3	1·4	4·9
c_1/c_2	2·2	2·3	2·7	2·2	1·9	1·9	1·6	2·2	1·4	1·9	2·0	2·3	1·8
	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
φ_1	335 57	359 30	352 40	352 35	354 0	349 49	349 50	0 57	342 38	348 14	348 54	353 34	347 47
φ_2	226 53	263 29	237 34	247 0	261 28	248 33	246 0	244 53	224 47	193 34	245 39	257 0	172 4
φ_3	134 8	203 50	161 34	160 46	174 14	151 55	141 2	197 46	157 33	164 7	162 31	174 20	64 4
φ_4	32 4	119 26	80 19	84 37	88 42	122 50	6 47	217 28	80 2	57 52	52 17	51 52	54 5
													58

POTENTIAL GRADIENT IN VOLTS PER METRE, 1934.

Mean values for periods of sixty minutes centred at the full hours of Greenwich Mean Time.

Date.	January.				February.				March.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
1	252	139	107	237	109	75	95	267	..	53	85	..
2	183	268	126	269	111	205	114	183	..	—82	123	..
3	180	147	74	208	100	83	144	180	..	..	110	1065
4	213	128	133	115	175	89	125	113	227	—301	79	1396
5	138	68	107	25	157	154	114	163	216	78	74	245
6	151	137	143	98	165	78	78	135	108	39	78	58
7	259	139	146	123	175	234	150	157	133	59	119	198
8	253	—87	189	143	192	114	142	142	165	60	91	108
9	267	133	186	..	113	110	105	138	225	16	133	168
10	310	164	158	168	175	246	136	192	272	72	60	61
11	273	—458	138	215	138	113	90	200	198	64	100	61
12	262	—485	113	185	97	104	92	162	224	81	86	65
13	268	102	176	193	115	114	75	200	141	78	73	152
14	292	—15	151	192	159	86	68	53	268	—38	—79	179
15	239	108	148	189	207	104	107	153	468	Z ±	110	165
16	235	141	161	168	169	207	79	61	152	103	89	185
17	218	91	130	222	207	101	129	188	86	92	115	
18	135	84	143	270	186	125	115	107	52	85	53	49
19	267	70	128	169	185	99	99	82	53	57	69	53
20	250	81	113	203	259	65	119	68	196	60	47	..
21	295	—361	149	151	274	94	91	169	..	..	42	25
22	278	98	168	203	142	57	71	65	49	53	45	43
23	163	299	144	235	263	79	76	178	59	55	..	..
24	144	168	147	210	271	88	87	190	..	..	72	63
25	137	185	176	185	197	85	92	177	114	Z—	46	71
26	133	168	176	126	271	85	94	192	98	13	60	81
27	149	178	134	151	175	65	55	42	191	51	47	85
28	158	65	160	93	210	99	..	..	102	47	93	81
29	154	112	92	76					91	56	67	30
30	227	96	122	232					220	44	51	60
31	193	80	126	168					31	67	77	63
Mean (*a*)	215	133	141	174	178	113	102	147	159	58	79	99
Mean (*b*)	215	63	141	174	178	113	102	147	159	34	74	99
	Mean (*a*) 166 ; Mean (*b*) 152.				Mean (*a*) 135 ; Mean (*b*) 134.				Mean (*a*) 96 ; Mean (*b*) 84.			

Date.	July.				August.				September.			
	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.
1	109	139	141	100	..	..	..	..	..	80	9	63
2	63	70	109	124	..	..	..	..	Z—	107	..	..
3	92	146	148	75	..	—120	132	36	..	102	80	134
4	73	112	158	168	150	..	..	..	40	..	..	..
5	136	153	143	168	..	129	121	139	..	..	..	..
6	158	121	146	182	80	..	..	..	..	..	..	..
7	97	129	112	146	..	..	..	..	..	54	..	..
8	126	..	148	146	..	..	..	..	..	..	..	..
9	131	124	..	..	..	..	98	123	..	..	..	..
10	..	134	126	121	125	..	116	..	..	..	..	..
11	146	97	158	158	..	..	..	..	..	..	..	..
12	80	92	136	124	..	..	99	125	..	..	..	..
13	102	109	145	158	104	..	..	..	..	..	..	..
14	146	146	143	121	..	..	134	..	..	..	..	..
15	58	119	146	121	..	..	45	140	..	..	..	..
16	83	112	112	109	80	179	..	..	..	..	..	..
17	80	43	45	98	..	..	..	..	..	..	..	..
18	88	89	91	123	..	98	99	88	..	..	..	..
19	98	94	134	117	103	..	71	94	..	..	..	..
20	54	104	112	131	78	116	121	118	..	..	..	..
21	89	89	100	121	..	112	107	..	..	..	..	..
22	125	95	112	121	80	80	..	..	..	..	..	..
23	123	134	138	117	..	..	..	..	..	..	..	..
24	132	107	135	109	..	..	..	..	..	..	..	..
25	112	..	129	..	..	106	103	94	..	..	63	54
26	..	..	..	..	89	..	..	..	63	57	61	..
27	..	Z±	34	36	..	98	99	..	..	..	..	—135
28	19	..	103	54	117	116	..	..	63	63	291	149
29	36	80	27	85	..	..	33	145	134	113	208	85
30	22	Z±	—65	Z—	98	106	70	121	107	89	100	58
31	..	..	103	..	..	107	76	76				
Mean (*a*)	95	101	119	121	100	113	95	108	..	..	.	..
Mean (*b*)	95	101	113	116	100	94	95	108	..	..	..	..
	Mean (*a*) 111 ; Mean (*b*) 101.				Mean (*a*) 104 ; Mean (*b*) 103.				Mean (*a*) . . ; Mean (*b*)			

Mean of monthly hourly means.	Hours G. M. T.											
	0	1	2	3	4	5	6	7	8	9	10	11
Wet Period May to October.	89	87	94	96	101	100	97	101	95	99	92	97
Dry Period November to April.	131	141	146	155	152	141	128	114	99	85	74	72

(*a*) Mean from all positive readings.
(*b*) Mean from all complete days using both positive and negative readings.
.. — Loss of Record.

Mean values for periods of sixty minutes centred at the full hours of Greenwich Mean Time.

April.				May.				June.				Date.
3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	
113	74	38	43	82	75	73	..	102	74	113	61	1
23	..	..	..	113	72	96	167	69	79	117	82	2
..	..	64	..	79	79	83	125	95	112	97	104	3
57	82	..	..	60	83	88	74	87	104	78	87	4
..	..	72	74	117	89	83	77	104	87	87	99	5
74	82	89	66	96	69	..	..	82	95	101	92	6
99	74	74	70	55	83	98	46	78	87	88	107	7
72	82	103	99	94	96	88	44	—14	189	57	59	8
103	111	94	111	185	71	100	85	182	71	Z±	—79	9
115	94	90	123	89	83	110	46	Z±	113	71	Z+	10
100	70	108	121	210	83	88	52	Z±	269	108	42	11
140	131	96	81	104	192	79	50	99	102	Z±	Z+	12
98	95	97	123	125	71	66	91	119	112	Z+	Z+	13
154	81	29	48	58	88	78	82	91	628	443	Z+	14
39	56	89	88	48	67	65	46	39	37	—9	51	15
92	94	107	103	82	76	86	40	45	—75	—281	89	16
103	87	95	95	63	85	91	68	—264	—11	139	129	17
152	151	133	80	66	71	71	58	117	141	125	146	18
129	98	82	70	58	71	88	42	89	141	141	223	19
76	94	99	44	58	88	99	88	120	89	129	113	20
110	91	103	34	77	78	94	84	42	—9	94	—4	21
131	93	114	82	159	83	117	69	—37	142	—308	68	22
214	88	106	80	42	86	121	..	37	88	121	36	23
197	80	111	100	92	79	113	100	30	68	85	34	24
197	—201	123	124	75	94	102	57	24	91	118	21	25
107	62	86	96	117	92	100	109	17	Z±	117	571	26
238	66	105	99	101	96	100	109	146	165	141	155	27
257	57	107	33	96	90	102	109	63	122	493	141	28
89	72	115	76	97	83	91	83	148	..	188	202	29
66	76	93	43	75	96	112	85	..	..	167	190	30
				80	89	113	109					31
119	86	94	82	92	86	93	78	78	128	127	104	Mean (*a*)
119	76	94	82	92	86	93	78	59	111	94	94	Mean (*b*)
Mean (*a*) 93 ; Mean (*b*) 92.				Mean (*a*) 84; Mean (*b*) 84.				Mean (*a*) 98 ; Mean (*b*) 80.				

October.				November.				December.				Date.
3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	3 h.	9 h.	15 h.	21 h.	
76	87	118	..	100	..	Z+	Z—	..	74	160	180	1
..	110	110	84	Z+	49	80	29	112	81	..	..	2
141	96	124	159	95	86	88	60	..	..	..	..	3
123	..	97	104	61	91	128	43	..	..	156	178	4
..	70	103	61	64	34	128	80	121	132	136	180	5
178	78	108	107	31	94	132	175	130	..	126	..	6
219	89	125	89	128	136	153	145	..	..	..	..	7
139	89	135	96	140	123	117	153	..	..	..	..	8
197	81	103	167	115	257	79	136	..	74	132	154	9
198	85	105	77	106	155	95	166	97	100	152	195	10
170	73	146	201	163	224	89	119	99	173	139	135	11
162	51	31	40	145	93	112	..	160	94	152	147	12
24	107	72	54	153	78	160	142	85	85	160	176	13
92	78	70	87	132	230	132	179	87	78	111	217	14
107	92	107	67	123	54	..	..	152	78	78	172	15
145	49	165	182	..	..	151	157	114	106	126	156	16
125	111	210	169	138	115	132	153	137	113	113	126	17
241	135	107	181	132	85	121	136	165	78	104	130	18
87	127	131	232	122	85	119	162	111	52	90	134	19
132	156	118	161	166	114	131	191	139	85	100	184	20
116	78	143	165	157	70	174	260	114	169	..	..	21
110	228	124	161	157	115	102	223	..	..	..	..	22
132	231	143	178	166	200	204	191	..	121	..	..	23
105	135	125	164	145	149	112	..	..	91	..	..	24
21	120	161	107	132	153	157	140	..	74	144	127	25
..	83	117	49	128	71	153	251	149	157	91	199	26
..	92	152	80	157	72	140	191	277	78	147	..	27
..	116	112	..	140	213	166	132	..	..	113	156	28
..	125	143	158	123	145	186	149	154	130	123	152	29
138	115	154	89	157	102	..	..	113	100	119	103	30
116	74	98	80					123	87	113	113	31
136	105	121	122	128	121	131	148	132	100	125	158	Mean (*a*)
136	105	121	122	128	121	131	148	132	100	125	158	Mean (*b*)
Mean (*a*) 122 ; Mean (*b*) 122.				Mean (*a*) 134 ; Mean (*b*) 132.				Mean (*a*) 143 ; Mean (*b*) 143.				

Hours G. M. T.												Mean of monthly hourly means.
12	13	14	15	16	17	18	19	20	21	22	23	
84	101	99	103	108	103	108	109	106	104	90	84	Wet Period May to October.
79	96	107	111	126	147	148	150	149	135	126	124	Dry Period November to April.

Note.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: Z+, Indeterminate, positive value; Z—, Indeterminate negative value; Z± Indeterminate in magnitude and sign.

(*a*) Mean from all positive readings.

(*b*) Mean from all complete days using both positive and negative readings.

.. — Loss of Record.

STATION—COLABA, BOMBAY.

Lat. 18° 54′ N Long. 72° 49′ E. Height above M.S.L.—6 metres.

LITHOLOGIC FOUNDATION : TRAP ROCK.

INSTRUMENTS :—Milne-Shaw seismographs, North-South (N) and East-West (E) components, installed in an underground constant temperature room. Photographic Registration.

INSTRUMENTAL CONSTANTS.

Compt.	Steady mass Kg.	T. (sec.).	Vm	ε	Paper speed mm./min.
N	0·45	12	250	20 : 1	8
E	0·45	12	350	22 : 1	8

TABLE D 2.

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Jan. 1	N,E	P	06 26 06	...	...	5870	Slight.
	N,E	S	06 33 39	...	...	...	Epc: 6° S., 119° E., south of Celebes.
	E	L	06 44 24	...	...	...	Island. (East Indies).
	N	Mn	06 55 01	...	...	...	
	E	Mn	06 51 58	...	...	...	
	N	F	07 30 ...	...	...	...	
	E	F	07 28 ...	...	...	...	
Jan. 2	N,E	iP	20 59 49	...	...	2090	Slight.
	N,E	iS	21 03 22	...	...	...	Epc: 33° N., 59° E., (Persia).
	N,E	L	21 05 14	...	...	...	
	N	Mn	21 09 18	14	9	...	
	E	Mn	21 10 33	12	9	...	
	N	F	21 55 ...	...	...	...	
	E	F	21 53 ...	...	...	...	
Jan. 3	N,E	iP	09 53 21	...	...	7300	Slight. L.-waves poor.
	N,E	PR_1	09 55 58	...	...	...	Epc: 53° N., 155° E. (U. S. C. G. S.)
	N,E	PR_2	09 56 59	...	...	...	Sea of Okhotsk.
	N,E	iS	10 02 14	...	...	...	
	E	PS	10 02 49	...	...	...	
	N,E	SR_2	10 08 58	...	...	...	
	E	Mn	10 20 05	...	...	...	
	N	F	11 14 ...	...	...	...	
	E	F	11 08 ...	...	...	...	
Jan. 11	N	Mn	11 18 34	...	...	...	Very feeble.
	E	Mn	11 17 08	...	...	...	Beginning uncertain.
	N	F	11 33 ...	...	...	...	
	E	F	11 31 ...	...	...	...	
Jan. 12	E	eP	13 37 43	...	...	3055	Slight.
	N,E	eS	13 42 30	...	...	...	Epc: 25° N., 102° E., China.
	N	eL	13 45 7	...	...	...	
	N	Mn	13 52 15	...	...	...	
	E	Mn	13 50 56	...	...	...	
	N	F	14 37 ...	...	...	...	
	E	F	14 36 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Jan. 15	N,E	eP	08 46 46	...	...	1610	iP preceded by small fore-running tremors eP of 6 seconds' duration. E-W. Milne-Shaw failed to record after iP and N-S after incidence of S-Phase. Times of P, S and L taken from Omori-Ewing seismographs. N-S maximum movements not recorded, E-W maximum movements restricted by stops. Epc : 26°·6 N 86°·2 E Origin time of eP : 8h. 43 m. 16 s. Disastrous North Behar Earthquake.
	N	iP	08 46 52	...	...	...	
	N	PR (?)	08 47 01	...	...	...	
	N,E	$\overline{P}$	08 48 20	...	...	...	
	N,E	S	08 49 38	...	...	...	
	N,E	L	08 50 30	...	...	...	
	E	Mn	... ...	...	10,000	...	
	N	F	13 30 ...	...	...	...	
	E	F	13 28 ...	...	...	...	
Jan. 16	E	eP	05 02 29	...	...	1445	Slight.
	N,E	eS	05 05 03	...	...	...	Aftershock of Behar Earthquake.
	N.E	SR_1	05 05 26	...	...	...	
	N,E	eL	05 05 48	...	...	...	
	N	Mn	05 06 52	3	12	...	
	N	F	05 31 ...	...	...	...	
	E	F	05 38 ...	...	...	...	
Jan. 16-17	N,E	P	18 48 54	...	...	5665	Slight.
	N,E	S	18 56 16	...	...	...	Epc : 4° N., 122° E. Celebes Sea.
	N,E	L	19 06 09	...	...	...	
	E	Mn	19 17 09	15	4	...	
	N	F	01 02 ...	...	...	...	
	E	F	01 06 ...	...	...	...	
Jan. 19	N,E	iP	12 38 34	...	...	2600	Slight.
	N,E	iS	12 42 48	...	...	...	Epc: 27° N., 96° E., North Burma.
	N	Mn	12 47 37	7	9	...	
	E	Mn	12 47 55	...	...	...	
	N,E	F	13 27 ...	...	...	...	
Jan. 19	N,E	eP	18 53 16	...	...	1490	Slight.
	N,E	PR_2	18 53 26	...	...	...	Aftershock of Behar Earthquake.
	N,E	iS	18 55 55	...	...	...	
	N,E	SR_1	18 56 21	...	...	...	
	N,E	eL	18 56 41	...	...	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1934.			H.M.S.	Sec.	μ	Km.	
Jan. 19	N	Mn	18 57 51	3	18	...	
	N,E	F	19 17 ...	...	...	...	
Jan. 20	N	Mn	17 46 12	...	...	...	Seismic activity.
	E	Mn	17 47 12	...	...	...	
Jan. 20	N,E	P	18 03 27	...	...	4010	Slight. Epc: 40° N., 107° E., Orios District in Mongolia.
	N,E	S	18 09 15	...	...	...	
	N,E	L	18 14 44	...	...	...	
	N,E	M	18 19 46	N15	13	...	
	N	F	19 32 ...	E 14	9	...	
	E	F	19 31 ...	...	...	...	
Jan. 20	N, E	e	22 51 56	...	...	...	Slight. Distant.
	N	Mn	23 20 42	...	...	...	
	E	Mn	23 23 33	...	...	...	
	N	F	23 54 ...	...	...	...	
	E	F	23 53 ...	...	...	...	
Jan. 21	N	e	06 56 31	...	...	...	Slight. Aftershock of Behar Earthquake.
	N	Mn	06 59 19	...	...	...	
	N	F	Marked by th e		foll	owing sh	ock.
Jan. 21	N	i	07 10 58	...	...	...	Feeble. Distant.
	N	Mn	07 24 02	...	...	...	
	N	F	08 11 ...	...	...	...	
Jan. 21	N	eS	19 55 43	...	...	...	Slight. Aftershock of Behar Earthquake. Beginning uncertain
	N	eL	19 56 45	...	...	...	
	N	Mn	19 57 36	...	...	...	
	N	F	20 09 ...	...	...	...	
Jan. 22	N,E	e	07 59 49	...	...	...	Slight. Distant.
	N	Mn	08 18 25	...	...	...	
	E	Mn	08 21 15	...	...	...	
	N	F	08 53 ...	...	...	...	
	E	F	08 52 ...	...	...	...	
Jan. 28	N,E	eP	19 29 42	...	...	16135	Moderate. Epc: 17° N, 100° W. (U. S. C. G. S.) Destructive in southern and central Mexico.
	N	PR_1	19 32 56	...	...	...	
	N,E	ScPcP	19 33 15	...	...	...	
	N,E	PR_2	19 36 07	...	...	...	
	N,E	ScPcS	19 36 33	...	...	...	
	E	ScPc PcS	19 39 33	...	...	...	
	N,E	PScPcS	19 42 56	...	...	...	
	N,E	SR_1	19 51 35	...	...	...	
	N,E	eL	20 19 ...	...	...	...	
	N	Mn	20 45 18	17	10	...	
	E	Mn	20 42 52	19	11	...	
	N	F	21 45 ...	...	...	...	
	E	F	21 47 ...	...	...	...	
Jan. 30	N	Mn	21 35 20	...	...	...	Very feeble. Distant.
	E	Mn	21 34 12	...	...	...	
	N,E	F	22 15 ...	...	...	...	
Feb. 2	N,E	P	15 15 59	...	...	7110	Slight.
	N,E	S	15 24 42	...	...	...	
Feb. 2	E	L	15 38 10	...	...	...	Epc: 2° S., 133° E., Dutch New Guinea.
	E	Mn	15 44 17	15	4	...	
	N	F	16 52 ...	...	...	...	
	E	F	16 51 ...	..	...	...	
Feb. 2	N	e	19 24 ...	...	...	...	Tremors.
	E	e	19 23 ...	...	...	...	
	N	f	19 50 ...	...	...	...	
	E	f	19 54 ...	...	...	...	
Feb. 3	N,E	P	14 45 22	...	...	8860	Slight.
	N,E	S	14 55 27	...	...	...	Epc: 8° N., 153° E. Caroline Islands.
	N,E	PS	14 56 04	...	...	...	
	N	L	15 09 27	...	...	...	
	E	L	15 09 57	...	...	...	
	N	Mn	15 18 16	22	8	...	
	E	Mn	15 18 50	23	10	...	
	N	F	17 33 ...	...	...	...	
	E	F	17 36 ...	...	...	...	
Feb. 3	N	e	03 20 55	...	...	...	Slight. Distant.
	E	i	03 20 48	...	...	...	
	N,E	i	03 29 01	...	...	...	
	N	F	03 56 ...	...	...	...	
	E	F	04 16 ...	...	...	...	
Feb. 4	N,E	e	12 55 52	...	...	...	Slight. Near.
	N,E	i	12 56 38	...	...	...	
	N	Mn	13 01 11	7	5	...	
	E	Mn	13 01 12	7	3	...	
	N	F	13 26 ...	...	...	...	
	E	F	13 27 ...	...	...	...	
Feb. 4	N,E	P	13 32 18	...	...	2480	Moderate. L.-Waves not well developed Max. movement near S. Epc: 31° N., 52° E., Persia.
	N,E	PR_1	13 32 48	...	...	...	
	N,E	S	13 36 22	...	...	...	
	N,E	SR_1	13 37 22	...	...	...	
	E	L	13 38 45	...	...	...	
	N	F	15 28 ...	...	...	...	
	E	F	15 29 ...	...	...	...	
Feb. 4	N,E	P	22 11 27	...	...	6620	Slight.
	N,E	S	22 19 43	...	...	...	Epc: 5°S., 127°E., Banda Sea (East Indies).
	N,E	L	22 32 24	...	...	...	
	E	Mn	22 38 01	21	8	...	
	N	F	23 33 ...	...	...	...	
	E	F	23 35 ...	...	...	...	
Feb. 9	N	e	06 21 ...	...	...	...	Tremors.
	E	e	06 18 ...	...	...	...	
	N	f	06 29 ...	...	...	...	
	E	f	06 36 ...	...	...	...	
Feb. 9	N,E	eP	09 41 06	...	...	8735	Slight.
	N,E	S	09 51 06	...	...	...	Epc: 10° S., 144° E.
	N	Mn	10 11 21	30	10	...	Torres Strait (South. of British New Guinea.)
	E	Mn	10 10 24	33	9	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Feb. 9	N	F	10 53 ...	...	...	...	
	E	F	11 01 ...	...	...	...	
Feb. 9	N,E	e	11 39 16	...	...	...	Feeble. Distant.
	N	Mn	12 17 16	19	3	...	
	E	Mn	12 18 16	19	2	...	
	N	F	12 50 ...	...	...	...	
	E	F	13 03 ...	...	...	...	
Feb. 9	N,E	e	16 35 ...	...	...	...	Tremors.
	N	f	16 41 ...	...	...	...	
	E	f	15 39 ...	...	...	...	
Feb. 9	N	e	22 56 ...	...	...	...	Tremors.
	E	e	22 51 ...	...	...	...	
	N, E	f	23 15 ...	...	...	...	
Feb. 10	N, E	e	04 50 29	...	...	...	Slight.
	N, E	e	04 53 18	...	...	...	Aftershock of Bihar Earthquake.
	N, E	eL	04 55 22	...	...	...	
	N	Mn	04 56 14	...	...	...	
	E	Mn	04 56 33	...	...	...	
	N	F	05 12 ...	...	...	...	
	E	F	05 08 ...	...	...	...	
Feb. 11	N, E	e	09 12 02	...	...	...	Slight. Near.
	N	Mn	09 22 21	...	...	...	
	E	Mn	09 23 02	...	...	...	
	N	F	09 48 ...	...	...	...	
	E	F	10 03 ...	...	...	...	
Feb. 11	N, E	e	14 59 ...	...	...	...	Slight. Near.
	N	f	15 07 ...	...	...	...	
	E	f	15 05 ...	...	...	...	
Feb. 12	N,E	e	04 00 10	...	...	...	Slight.
	N,E	e	04 03 02	...	...	...	Aftershock of Bihar Slight Earthquake.
	N,E	eL	04 04 10	...	...	...	
	N,E	F	04 16 ...	...	...	...	
Feb. 12	N,E	eP	11 36 14	...	...	3240	Slight.
	N,E	S	11 41 14	...	...	...	Epc: 24° N., 103° E., South China.
	N,E	L	11 44 50	...	...	...	
	N,E	Mn	11 49 19	11	15	...	
	N,E	F	13 21 ...	...	...	...	
Feb. 13	N	e	10 03 ...	...	...	...	Tremors.
	N	f	10 14 ...	...	...	...	
Feb. 13	N	e	10 31 ...	...	...	...	Tremors.
	E	e	10 29 ...	...	...	...	
	N	f	10 46 ...	...	...	...	
	E		10 45 ...	...	...	...	
Feb. 13	N,E	e	20 35 ...	...	...	...	Tremors.
	N,E	f	Marked by the following tremors.				
Feb. 13	N,E	e	20 39 ...	...	...	...	Tremors,
	N	f	21 12 ...	...	...	...	
	E	f	21 13 ...	...	...	...	
Feb. 14	N,E	e	01 30 37	...	...	...	Slight. Near.
	N,E	Mn	01 39 17	...	...	...	
	N	F	01 56 ...	...	...	...	
	E	F	01 33 ...	...	...	...	
Feb. 14	N,E	iP	04 07 49	...	...	4700	Great.
	N	ePR$_1$	04 09 19	...	...	...	Epc : 17° 20′ N., 119 20′ E. (Manila) China Sea.
	E	PR$_2$	04 09 50	...	...	...	
	N,E	iS	04 14 17	...	...	...	
	N	iPS	04 14 32	...	...	...	
	N,E	iSR$_1$	04 17 07	...	....	...	
	N,E	iSR$_2$	04 17 57	...	...	...	
	N,E	L	04 20 31	...	...	...	
	N	Mn	04 30 37	13	232	...	
	N	F	09 16 ...	...	...	...	
	E	F	09 22 ...	...	...	...	
Feb. 14	N,E	eP	17 22 57	...	...	4645	Slight. Probably aftershock of the previous great shock.
	N,E	eS	17 29 22	...	...	...	
	N,E	eL	17 36 34	...	...	...	
	N	Mn	17 42 38	13	3	...	
	E	Mn	17 44 27	13	2	...	
	N	F	18 10 ...	...	...	...	
	E	F	18 17 ...	...	...	...	
Feb. 14	N	e	19 28 ...	...	...	...	Tremors.
	E	e	19 16 ...	...	...	...	
	N	f	19 54 ...	...	...	...	
	E	f	19 59 ...	...	...	...	
Feb. 15	N	e	02 36 ...	...	...	...	Tremors.
	E	e	02 30 ...	...	...	...	
	N,E	f	03 05 ...	...	...	...	
Feb. 16	N,E	eP	06 36 00	...	...	10335	Slight.
	N,E	eS	06 47 08	...	...	...	
	N	Mn	07 14 48	13	3	...	
	E	Mn	07 14 25	13	3	...	
	N	F	07 49 ...	...	...	...	
	E	F	07 57 ...	...	...	...	
Feb. 16	N	e	07 59 ...	...	...	...	Tremors.
	E	e	08 05 ...	...	...	...	
	N	f	08 26 ...	...	...	...	
	E		08 31 ...	...	...	...	
Feb. 17	N	e	02 54 30	...	...	...	Slight. Near.
	N	e	02 57 30	...	...	...	
	N	F	03 09 ...	...	...	...	
Feb. 18	N,E	e	21 12 15	...	...	...	Slight. Distant.
	N,E	e	21 20 26	...	...	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Feb. 18	N	Mn	21 40 15	Mo	vement	s very	small.
	E	Mn	21 41 ...	19	2	...	
	N	F	22 01 ...	...	...	...	
	E	F	22 05 ...	...	...	...	
Feb. 1	N,E	e	13 07 ...	...	...	...	Slight. Near
	N	f	13 19 ...	...	...	...	
	E	f	13 22 ...	...	...	...	
Feb. 19	N,E	eP	10 31 42	...	...	3750	Slight.
	N,E	iS	10 37 13	...	...	...	Epc : 2° S., 100° E., South Sumatra.
	N,E	L	10 42 13	...	...	...	
	N	Mn	10 48 37	14	10	...	
	E	Mn	10 49 33	14	17	...	
	N	F	13 19 ...	...	...	...	
	E	F	13 32 ...	...	...	...	
Feb. 20	N	e	04 42 ...	...	...	...	Tremors.
	E	e	04 34 ...	...	...	...	
	N	f	05 11 ...	...	...	...	
	E	f	05 28 ...	...	...	...	
Feb. 20	N	e	20 11 ...	...	...	...	Tremors.
	E	e	20 15 ...	...	...	...	
	N,E	f	20 30 ...	...	...	...	
Feb. 22	N,E	eP	08 13 53	...	...	3335	Slight.
	N,E	S	08 18 58	...	...	...	
	N,E	L	08 23 00	...	...	...	
	N	Mn	08 26 50	23	12	...	
	E	Mn	08 27 00	17	8	...	
	N	F	09 21 ...	...	...	...	
	E	F	09 27 ...	...	...	...	
Feb. 24	N,E	iP	06 34 35	...	...	7200	Moderate.
	N,E	iS	06 43 23	...	...	...	Epc : 21° N., 145°E., (U. S. C. G. S.) Marianne Archipelago.
	N,E	L	06 55 43	...	...	...	
	N	Mn	07 02 35	22	30	...	
	E	Mn	07 03 16	21	54	...	
	N	F	10 49 ...	...	...	...	
	E	F	10 33 ...	...	...	...	
Feb. 24	N	e	15 24 ...	...	...	...	Tremors.
	E	e	15 29 ...	...	...	...	
	N	f	15 49 ...	...	...	...	
	E	f	15 52 ...	...	...	...	
Feb. 25	N,E	e	16 31 ...	...	...	...	Slight.
	N	Mn	16 54 16	11	1	...	
	E	Mn	16 59 16	11	1	...	
	N	F	17 26 ...	...	...	...	
	E	F	17 34 ...	...	...	...	
Feb. 26	N	e	14 48 ...	...	...	...	Tremors.
	E	e	14 51 ...	...	...	...	
	N	f	15 06 ...	...	...	...	
	E	f	15 11 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1934.			H. M. S.	Sec.	μ	Km	
Feb. 27	E	e	21 42 54	...	...	...	Slight. Distant.
	N	i	21 52 18	...	...	...	
	E	i	21 52 17	...	...	...	
	E	i	21 53 35	...	...	...	
	N	i	21 53 38	...	...	...	
	E	i	22 02 18	...	...	...	
	N	F	22 23 ...	...	...	...	
	E	F	22 34 ...	...	...	...	
Feb. 28	N,E	eP	14 33 57	...	...	9250	Moderate.
	E	PR_1	14 37 16	...	...	...	Epc : 7° S., 151° E., New Britain Islands. (Pacific).
	E	PR_2	14 39 07	...	...	...	
	N,E	S	14 44 18	...	...	...	
	N,E	PS	14 45 12	...	...	...	
	N	Mn	15 10 05	25	35	...	
	E	Mn	15 12 38	21	22	...	
	N	F	17 37 ...	...	...	...	
	E	F	18 24 ...	...	...	...	
Feb. 28	N	i	22 26 56	...	...	...	Probably seismic.
	N	f	22 48 ...	...	...	...	
Mar. 1	E	i	19 53 19	...	...	...	Slight. Distant.
	N	e	19 56 ...	...	...	...	
	N	e	20 03 19	...	...	...	
	E	e	20 03 30	...	...	...	
	N	F	20 58 ...	...	...	...	
	E	F	21 50 ...	...	...	...	
Mar. 1-2	N,E	iP^1	22 04 48	...	...	16110	Slight.
	E,	PR_1	22 08 05	...	...	...	Epc : Chilli, 39° 7 S. 72°5 W. (J. S. A. L-waves poorly developed).
	N,E	$\overline{ScPc\ PcS}$	22 14 44	...	...	...	
	E	PPS	22 20 35	...	...	...	
	N,E	SR_1	22 26 35	...	...	...	
	E	Mn	23 02 35	16	8	...	
	N	F	00 02 ...	...	...	...	
	E	F	00 50 ...	...	...	...	
Mar. 2	E	i	19 00 06	...	...	...	Small movements, probably seismic.
	E	Mn	19 05 32	...	...	...	
	E	F	19 40 ...	...	...	...	
Mar. 3	N,E	e	00 45 ...	...	...	...	Tremors.
	N	f	01 01 ...	...	...	...	
	E	f	01 10 ...	...	...	...	
Mar. 3	N,E	iP	16 10 48	...	...	2420	Slight.
	N,E	iS	16 14 33	...	...	...	
	N,E	eL	16 17 ...	...	...	...	
	N	F	17 36 ...	...	...	...	
	E	F	17 13 ...	...	...	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1934.			H. M. S.	Sec.	μ	Km.	
March 4	N	e	06 12 ...	...	...	...	Slight. Distant.
	E	e	06 12 01	...	...	...	
	N,E	e	06 19 24	...	...	...	
	N	F	06 35 ...	...	...	...	
	E	F	06 42 ...	...	...	...	
Mar. 4	E	eP	11 29 23	...	...	8090	Slight.
	E	iS	11 38 53	...	...	...	
	E	Mn	12 03 38	15	8	...	
	E	F	13 00 ...	...	...	...	
Mar. 5	N,E	eP	12 00 49	...	...	12780	Great.
	N	eP^1	12 04 31	...	...	...	Epc : 42° ·7 S., 173° ·7 E. (J. S. A.).
	E	eP^1	12 04 39	...	...	...	New Zealand.
	N,E	PR_1	12 05 39	...	...	...	
	E	PR_2	12 08 16	...	...	...	
	N,E	Sc. PcS.	12 11 32	...	...	...	
	E	eS	12 13 31	...	...	...	
	N,E	PS	12 15 08	...	...	...	
	N,E	SR	12 21 50	...	...	...	
	N,E	SR_2	12 26 16	...	...	...	
	N,E	eL	12 41 ...	...	...	...	
	N	Mn	12 52 16	17	148	...	
	E	Mn	12 49 46	23	279	...	
	N	F	16 48 ...	...	...	...	
	E	F	16 39 ...	...	...	...	
Mar. 6	N	e	15 04 25	...	...	...	Slight. Distant.
	E	i	15 04 25	...	...	...	
	N	Mn	15 25 02	22	4	...	
	E	Mn	15 25 04	22	4	...	
	N	F	15 49 ...	...	...	...	
	E	F	16 08 ...	...	...	...	
Mar. 7	N,E	e	16 13 ...	...	...	...	Tremors.
	N	f	16 25 ...	...	...	...	
	E	f	16 24 ...	...	...	...	
Mar. 8	N	Mn	00 29 ...	...	...	...	Seismic activity.
	E	Mn	00 15 ...	...	...	...	
Mar. 8	N	e	23 11 ...	...	...	...	Tremors.
	N	f	23 45 ...	...	...	...	
Mar. 9	N,E	e	14 23 05	...	...	...	Slight. Distant.
	N	Mn	14 44 ...	...	...	...	
	E	Mn	14 48 ...	...	...	...	
	N	F	15 12 ...	...	...	...	
	E	F	15 00 ...	...	...	...	
Mar. 10	N,E	i	02 12 00	...	...	...	Very feeble. Near.
Mar. 11	N,E	i	19 20 50	...	...	...	Slight. Probably distant.
	N	Mn	19 28 52	8	4	...	
	E	Mn	19 29 24	7	1	...	
	N	F	19 48 ...	...	...	...	
	E	F	19 44 ...	...	...	...	
March 12	N	e	15 25 54	...	...	...	Slight. Distant.
	E	e	15 26 06	...	...	...	
	N	Mn	16 23 24	16	7	...	
	N	F	17 43 ...	...	...	...	
	E	F	16 54 ...	...	...	...	
Mar. 12	N	e	19 24 ...	...	...	...	Tremors.
	N	f	19 47 ...	...	...	...	
Mar. 13	N	e	13 25 08	...	...	...	Slight. Distant.
	E	e	13 25 11	...	...	...	
	N	Mn	14 22 50	15	3	...	
	N	F	16 27 ...	...	...	...	
	E	F	16 52 ...	...	...	...	
Mar. 14	N,E	e	10 46 ...	...	...	...	Tremors.
	N	e	11 27 ...	...	...	...	
	E	f	11 26 ...	...	...	...	
Mar. 15	E	e	11 05 49	...	...	...	Slight. Distant.
	N	e	11 06 19	...	...	...	
	N,E	i	11 15 56	...	...	...	
	N	Mn	11 49 19	19	5	...	
	E	Mn	11 50 37	20	6	...	
	N	F	12 50 ...	...	...	...	
	E	F	13 49 ...	...	...	...	
Mar. 16	E	iP	14 25 21	...	...	8145	Slight.
	N	iP	14 25 25	...	...	...	Epc : 6° S., 142° E. British New Guinea.
	N	iS	14 34 55	...	...	...	
	E	eS	14 34 56	...	...	...	
	N	PS	14 35 55	...	...	...	
	E	PS	14 35 51	...	...	...	
	N	F	15 36 ...	...	...	...	
	E	F	15 55 ...	...	...	...	
Mar. 16	N	e	17 23 47	...	...	...	Slight. Distant.
	E	e	17 23 45	...	...	...	
	N	Mn	17 50 06	...	...	...	
	N	F	18 30 ...	...	...	...	
	E	F	18 39 ...	...	...	...	
Mar. 18	N,E	iP	04 44 52	...	...	7845	Slight.
	N,E	eS	04 54 09	...	...	...	Epc: 47° N., 153°E., Kurile Islands.
	N,E	iPS	04 54 50	...	...	...	
	N	eL	05 09 ...	...	...	...	
	E	eL	05 08 ...	...	...	...	
	E	Mn	05 19 24	17	9	...	
	N	F	05 41 ...	...	...	...	
	E	F	05 59 ...	...	...	...	
Mar. 18	N,E	e	07 29 ...	...	...	...	Tremors.
	N	f	08 14 ...	...	...	...	
	E	f	07 52 ...	...	...	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Mar. 18	N,E	i	12 49 41	...	...	...	Very feeble. Near.
	N	F	13 05 ...	...	...	...	
	E	F	13 19 ...	...	...	...	
Mar. 18	E	e	22 24 ...	...	...	...	Very feeble. Near.
	N,E	e	22 27 52	...	...	...	
	E	F	22 44 ...	...	...	...	
	N	F	22 45 ...	...	...	...	
Mar. 18	N,E	e	22 48 57	...	...	...	Feeble. Near.
	N,E	i	22 52 55	...	...	...	
	N	F	23 12 ...	...	...	...	
	E	F	23 21 ...	...	...	...	
Mar. 19	N,E	iP	03 33 06	...	...	2345	Slight.
	N,E	iS	03 36 59	...	...	...	
	E	F	04 26 ...	...	...	...	
	N	F	04 27 ...	...	...	...	
Mar. 20	N,E	P	02 50 31	...	...	8545	Slight.
	E	PR_1	02 53 30	...	...	...	Epc: 7° S., 145° E., British New Guinea.
	N,E	eS	03 00 22	...	...	...	
	N	PS	03 00 56	...	...	...	
	N,E	SR_1	03 05 31	...	...	...	
	E	Mn	03 27 26	18	3	...	
	N	F	04 41 ...	...	...	...	
	E	F	05 38 ...	...	...	...	
Mar. 20-21	E	e	20 46 ...	...	...	...	Seismic activity.
	E	f	01 34 ...	...	...	...	
Mar. 22	N	Mn	21 00 16	...	...	...	Seismic activity.
	E	Mn	21 00 19	...	...	...	
Mar. 23	E	Mn	08 38 01	...	...	...	Seismic activity.
	N	Mn	08 38 13	...	...	...	
Mar. 24	N,E	P	12 17 37	...	...	10220	Moderate.
	E	PR_1	12 21 16	...	...	...	Epc: 9°·3 S., 161°5 E. (U. S. C. G. S.) Solomon Islands.
	E	PR_2	12 23 19	...	...	...	
	E,N	ScPcS	12 28 01	...	...	...	
	N,E	iS	12 28 58	...	...	...	
	N,E	iPS	12 29 58	...	...	...	
	N,E	PPS	12 30 35	...	...	...	
	N,E	SR_1	12 34 50	...	...	...	
	E	SR_2	12 38 43	...	...	...	
	E	eL	12 48 ...	...	...	...	
	N	eL	12 50 ...	...	...	...	
	E	Mn	13 10 35	18	14	...	
	N	Mn	13 13 13	...	...	...	
	N	F	16 17 ...	...	...	...	
	E	F	16 52 ...	...	...	...	
Mar. 25	N	e	12 50 ...	...	...	...	Tremors.
	E	e	12 48 ...	...	...	...	
	E	f	13 05 ...	...	...	...	
	N	f	13 09 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Mar. 26	N,E	e	03 07 35	...	...	...	Slight. Near.
	E	Mn	03 09 05	...	...	...	
	N	Mn	03 10 30	...	...	...	
	E	F	03 18 ...	...	...	...	
	N	F	03 23 ...	...	...	...	
Mar. 29	N,E	iP	20 15 09	...	...	5010	Slight. Reported to be destructive in the Balkans. L-waves not well-marked.
	N	i	20 17 12	...	...	...	
	N,E	iS	20 21 53	...	...	...	
	N	F	20 44 ...	...	...	...	
	E	F	20 52 ...	...	...	...	
Mar. 31	E	Mn	18 44 11	...	...	...	Seismic activity.
	N	Mn	18 44 23	...	...	...	
Apr. 2	N	i	05 16 58	...	...	...	Feeble. Distant.
	E	Mn	05 33 14	22	2	...	
Apr. 2	N,E	e	10 51 ...	...	...	...	Tremors.
	N,E	f	11 09 ...	...	...	...	
Apr. 3	E	e	08 43 ...	...	...	...	Slight Distant.
	N	e	08 44 ...	...	...	...	
	N	f	09 41 ...	...	...	...	
	E	f	10 08 ...	...	...	...	
Apr. 3	E	Mn	19 10 19	...	...	...	Seismic activity.
Apr. 3	N,E	iP	22 43 23	...	...	6880	Slight.
	N,E	iS	22 51 51	...	...	...	Epc: 23°·5 N., 138°·5 E. Southwest of Volcano Islands (Pacific)
	N	F	23 33 ...	...	...	...	
	E	F	23 35 ...	...	...	...	
Apr. 4	N	e	21 05 ...	...	...	...	Tremors.
	E	e	21 06 ...	...	...	...	
	E	f	21 14 ...	...	...	...	
	N	f	21 17 ...	...	...	...	
Apr. 5	N,E	e	10 46 24	...	...	...	Slight. Near.
	N,E	i	10 48 32	...	...	...	
	E	Mn	10 51 01	9	3	...	
	N	Mn	10 51 19	7	5	...	
	N	F	11 07 ...	...	...	...	
	E	F	11 13 ...	...	...	...	
Apr. 5	N,E	e	11 26 ...	...	...	...	Tremors
	N	f	11 33 ...	...	...	...	
	E	f	11 35 ...	...	...	...	
Apr. 6	N,E	P	19 19 57	...	...	6690	Slight.
	N,E	eS	19 28 17	...	...	...	Epc: 37°·1 N., 141°·5 E. Tokyo. (Japan Sea).
	N,E	PS	19 28 49	...	...	...	
	N,E	SR_1	19 32 22	...	...	...	
	N	eL	19 39 ...	...	...	...	
	E	eL	19 40 ...	...	...	...	
	N	F	20 15 ...	...	...	...	
	E	F	20 40 ...	...	...	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Apr. 8	N,E	i	20 59 45	...	...	...	Feeble. Near.
	N	i	21 07 ...	...	...	...	Felt locally at Bhagalpur and Raxaul.
	E		21 08 ...	...	...	...	
Apr. 9	N	e	15 49 50	...	...	...	Slight. Very distant.
	E	e	15 50 03	...	...	...	
	E	Mn	16 51 05	23	4	...	
	N	Mn	16 51 10	21	4	...	
	N	F	17 52 ...	...	...	...	
	E	F	18 03 ...	...	...	...	
Apr. 10	E	e	06 53 ...	...	...	...	Tremors.
	E	f	07 12 ...	...	...	...	
Apr. 10	N,E	iP	10 31 52	...	...	5400	Moderate.
	N,E	PR_1	10 33 44	...	...	...	Epc: 5° S., 114·°5 E.
	N,E	S	10 38 59	...	...	...	South of Borneo.
	N,E	PS	10 39 24	...	...	...	
	E	SR_2	10 43 31	...	...	...	
	N,E	L	10 46 44	...	...	...	
	E	Mn	10 53 49	15	12	...	
	N	Mn	10 55 36	15	10	...	
	N	F	12 34 ...	...	...	...	
	E	F	12 43 ...	...	...	...	
Apr. 11	N	e	08 06 ...	...	...	...	Tremors.
	N	f	08 36 ...	...	...	...	
Apr. 11	N	e	10 06 ...	...	...	...	Tremors.
	E	e	10 07 ...	...	...	...	
	N	f	10 27 ...	...	...	...	
	E	f	10 31 ...	...	...	...	
Apr. 11	E	e	21 26 19	...	...	11110	Slight.
	E	PR_1	21 29 25	...	...	...	Epc: 12° S., 167° E., Charlotte Islands.
	E	PR_2	21 31 45	...	...	...	
	N,E	ScPcS	21 36 00	...	...	...	
	N,E	ScPc PoS	21 36 46	...	...	...	
	N,E	S	21 37 06	...	...	...	
	N,E	SR_1	21 44 14	...	...	...	
	N	F	23 03 ...	...	...	...	
	E	F	23 34 ...	...	...	...	
Apr. 12	N,E	eP	08 28 58	...	...	4920	Slight,
	N,E	S	08 35 30	...	...	...	Epc: 17° N., 118° E., West of Philippine Islands.
	N	Mn	08 48 19	14	3	...	
	E	Mn	08 52 07	15	3	...	
	N	F	04 18 ...	...	...	...	
	E	F	04 33 ...	...	...	...	
Apr. 12	N,E	eP	09 16 00	...	...	2690	Slight.
	N,E	S	09 20 21	...	...	...	Epc: 27° N., 99·°5 E., North Burma.
	N, E	L	09 24 ...	...	...	...	
	N	Mn	09 29 26	8	3	...	
	E	Mn	09 32 16	10	2	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Apr. 12	N	F	10 04 ..	...	...	...	
	E	F	10 16 ...	...	...	...	
Apr. 13	N,E	e	04 46 38	...	...	...	Feeble. Near.
	N,E	i	04 48 10	...	...	...	
	N	F	04 58 ...	...	...	...	
	E	F	04 59 ...	...	...	...	
Apr. 13	N,E	e	19 54 ...	...	...	...	Feeble. Distant.
	N	F	20 17 ...	...	...	...	
	E	F	20 18 ...	...	...	...	
Apr. 13	N,E	e	22 45 ...	...	...	...	Very feeble. Near.
	N,E	f	22 51 ...	...	...	...	Felt locally at Darbhanga.
Apr. 13	N	e	23 10 ...	...	...	...	Very feeble. Near.
	E	e	23 11 ...	...	...	...	
	N	f	23 16 ...	...	...	...	
	E	f	23 18 ..	...	...	...	
Apr. 14	N	eP	01 33 27	...	...	1145	Slight. Epc: 29° N., 75·°5 E. South-East Punjab. Felt locally at Delhi.
	N,E	S	01 35 34	...	...	...	
	N,E	S	01 36 23	...	...	...	
	N	F	01 48 ...	...	...	...	
	E	F	01 49 ...	...	...	...	
Apr. 15	N,E	i	10 43 41	...	...	...	Feeble. Distant.
	N,E	e	10 51 55	...	...	...	
	N,E	F	11 24 ...	...	...	...	
Apr. 15	N,E	Mn	15 42 23	...	...	...	Seismic activity.
Apr. 15-16.	N,E	P	22 24 36	...	...	5720	Beginning of P in minute break.
	N,E	PR_1	22 26 38	...	...	...	Moderate. Epc: 7° N., 124° E., South of Mindanao Island.
	N,E	iS	22 32 01	...	...	...	
	N,E	iPS	22 32 36	...	...	...	
	N	SR_1	22 35 31	...	...	...	
	N,E	SR_2	22 37 06	...	...	...	
	N,E	L	22 40 29	...	...	...	
	E	Mn	22 50 14	18	88	...	
	N	Mn	22 53 18	16	41	...	
	N	F	02 15 ...	...	...	...	
	E	F	02 40 ...	...	...	...	
Apr. 16	N,E	eP	04 08 41	...	...	6135	Slight.
	E	PR_1(?)	04 10 50	...	...	...	Epc: 7° ·5 N., 127° E., Mindanao Island.
	N,E	eS	04 16 29	...	...	...	
	N,E	PS	04 17 12	...	...	...	
	E	SR_1	04 20 41	...	...	...	
	E	eL	04 26 ...	...	...	...	
	N	Mn	04 33 58	...	...	...	
	E	Mn	04 34 11	16	3	...	
	N	F	05 20 ...	...	...	...	
	E	F	05 25 ...	...	...	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1934.			H. M. S.	Sec.	μ	Km.	
Apr. 16	N	e	13 48 53	...	...	...	Slight. Distant.
	N,E	e	13 55 45	...	...	...	
	N	Mn	14 09 15	12	2	...	
	E	Mn	14 12 16	15	1	...	
	N	F	14 33 ...	...	...	...	
	E	F	14 36 ...	...	...	...	
Apr. 19	N,E	i	16 28 02	...	...	...	Slight. Distant.
	N,E	i	16 30 40	...	...	...	
	N,E	i	16 33 16	...	...	...	
	N	F	16 56 ...	...	...	...	
	E	F	17 02 ...	...	...	...	
Apr. 19	N,E	e(?)	23 29 05	...	...	...	Slight. Near.
	N	Mn	23 37 19	10	2	...	
	E	Mn	23 36 12	11	2	...	
Apr. 19-20.	N,E	i	23 50 42	...	...	...	Probably feeble, near shock.
	N	F	23 59 ...	...	...	...	Seismic activity.
	E	F	00 0 ...	...	...	...	Tremors.
Apr. 21	N,E	Mn	06 52 28	...	...	...	
Apr. 23	N	e	04 51 ...	...	...	...	
	E	e	04 53 ...	...	...	...	
	N	f	05 04 ...	...	...	...	
	E	f	05 07 ...	...	...	...	
Apr. 24	E	iP	02 09 28	...	...	6665	Slight.
	E	PR_1	02 11 51	...	...	...	N-beginning lost in shifting paper.
	E	PR_2	02 12 51	...	...	...	Epc: 4° S., 128° E.
	N,E	iS	02 17 50	...	...	...	Banda Sea.
	N	F	02 45 ...	...	...	...	
	E	F	03 03 ...	...	...	...	
Apr. 24	E	e	17 57 ...	...	...	...	Feeble. Distant.
	N	e	18 00 ...	...	...	...	
	N,E	f	19 27 ...	...	...	...	
Apr. 24	E	e	20 36 ...	...	...	...	Tremors.
	N	e	20 37 ...	...	...	...	
	N,E	f	20 47 ...	...	...	...	
Apr. 25	N,E	i	05 21 36	...	...	...	Slight.
	N	i	05 22 28	...	...	...	
	E	F	05 37 ...	...	...	...	
	N	F	05 39 ...	...	...	...	
Apr. 25	N	e	07 46 ...	...	...	...	Tremors.
	N	f	08 18 ...	...	...	...	
Apr. 26	E	e	05 49 ...	...	...	...	Feeble. Very distant.
	N	e	05 55 ...	...	...	...	
	E	Mn	06 35 03	...	...	...	
	N	Mn	06 36 21	...	...	...	
	N	F	07 14 ...	...	...	...	
	E	F	07 15 ...	...	...	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1934.			H. M. S.	Sec.	μ	Km.	
Apr. 26	N,E	e	08 16 ...	...	...	...	Feeble. Very distant.
	E	Mn	08 55 13	...	.	...	
	N	Mn	09 02 13	...	...	...	
	E	F	09 48 ...	...	...	...	
	N	F	09 49 ...	...	...	...	
Apr. 26	N	e	13 48 59	...	...	...	Slight Distant.
	E	i					
	N,E	i	13 56 06	...	...	...	
	E	Mn	14 17 23	19	5	...	
	N	F	14 47 ...	...	...	...	
	E	F	15 05 ...	...	...	...	
Apr. 26	N	i	21 24 40	...	...	...	Feeble.
	N	F	22 54 ...	...	...	...	
Apr. 27	N,E	e	21 05 32	...	...	...	Slight. Very distant.
	N,E	i	21 11 39	...	...	...	
	N	Mn	21 58 54	16	4	...	
	E	Mn	21 50 48	17	3	...	
	N	F	23 14 ...	...	...	...	
	E	F	Uncertain due to wanderings of zero.				
Apr. 28	N	e	15 20 27	...	...	...	Slight. Distant.
	E	i					
	N	i	15 30 06	...	...	...	
	E	i	15 30 31	...	...	...	
	N	F	16 32 ...	...	...	...	
	E	F	16 35 ...	...	...	...	
Apr. 30	N	e	12 30 ..	...	...	...	Tremors.
	E	e	12 31 ...	...	...	...	
	N	f	12 40 ...	...	...	...	
	E	f	12 42 ...	...	...	...	
Apr. 30	N,E	e	15 31 ...	...	...	...	Tremors.
	N		15 47 ...	...	...	...	
	E		15 49 ...	...	...	...	
May 1	N,E	iP	03 42 56	...	...	811	Slight.
	N,E	P*	03 43 17	..	...	...	
	N,E	$\bar{P}$	03 43 43	..	...	...	Epc: 25°·5 N.,69° E. Sind. Felt locally at Larkana, Dadu, Mehar, Sehwan and Kakar.
	N,E	S	03 44 26	..	...	...	
	N,E	$\bar{S}$	03 45 15	...	...	...	
	N	Mn	03 46 12	...	...	...	
	E	Mn	03 46 15	6	10	...	
	N	F	04 24 ...	...	...	...	
	E	F	04 39 ...	...	...	...	
May 1	N,E	iP	07 10 45	...	...	00	Slight.
	N,E	PR_2	07 11 18	...	...		Epc: 10°N., 93° E.
	N,E	S	07 14 35	...	...	...	South of Andaman Islands.
	N,E	SR_1	07 15 18	...	...	...	
	N,E	L	07 16 18	...	...	...	
	E	Mn	07 17 39	8	13		
	N	Mn	07 18 07	6	16		

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
May 1	N	F	08 46 ...	...	...	...	
	E	F	08 56 ...	...	...	...	
May 2	N	e	04 50 ...	...	...	...	Tremors.
	E	e	04 51 ...	...	...	...	
	N	f	05 04 ...	...	...	...	
	E	f	05 08 ...	...	...	...	
May 3	N,E	eP	01 41 46	...	...	7180	Slight.
	N,E	eS	01 50 33	...	...	...	Epc: 28°·5 N., 141°·5 E., North of Bonin Islands (Pacific).
	E	PS	01 51 01	...	...	...	
	E	SR_1	01 54 46	...	...	...	
	E	eL	02 03 ..	...	...	...	
	E	Mn	02 12 19	20	4	...	
	N	Mn	02 12 22	...	...	...	
	N	F	03 30 ...	...	...	...	
	E	F	03 42 ...	...	...	...	
May 4	N,E	P	04 49 22	...	...	10380	Great. Epc: Alaska 61° N., 145°·1 W. (J. S. A.) 61 N. 148° W. (U. S. C. G. S.)
	N,E	PR_1	04 53 04	...	...	...	
	N,E	PR_2	04 55 09	...	...	...	
	N,E	ScPcS	04 59 50	...	...	...	
	N,E	ScPc PcS	05 00 26	...	...	...	
	N,E	S	05 00 39	...	...	...	
	N,E	PS	05 01 37	...	...	...	
	N,E	PPS	05 02 20	...	...	...	
	N,E	SR_1	05 07 04	...	...	...	
	N,E	eL	05 20 28	...	...	...	
	E	Mn	05 30 48	23	66	...	
	N	Mn	05 35 30	19	53	...	
	N	F	07 56 ..	...	...	...	
	E	F	08 20 ...	...	...	...	
May 5	N,E	e	14 52 0	...	...	...	Slight. Distant.
	N,E	e	14 57 39	...	...	...	
	N	Mn	15 34 24	...	...	...	
	E	Mn	15 35 09	26	5	...	
	E	F	16 08 ..	...	...	...	
	N	F	16 10 ...	...	...	...	
May 7	E	e	02 11 54	...	...	...	Slight. Distant.
	E	Mn	02 29 59	...	...	...	
	E	F	02 48 ..	...	...	...	
May 7	E	e	04 23 29	...	...	...	Slight. Distant.
	E	Mn	04 41 47	...	...	...	
	N	Mn	04 41 54	...	...	...	
	E	F	05 04 ..	...	...	...	
May 8	E	Mn	20 21 32	...	...	...	Seismic activity.
May 9	N,E	i	16 24 55	...	...	...	Slight. Distant.
	E	i	16 34 06	...	...	...	
	E	Mn	16 58 20	19	3	...	
	N	Mn	16 58 37	15	3	...	

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
May 9	N	F	17 36 ...	...	...	...	
	E	F	17 50 ...	...	...	...	
May 9	N,E	e	19 06 ...	...	...	...	Tremors.
	N	f	19 19 ...	...	...	...	
	E	f	19 26 ...	...	...	...	
May 11	E	e	18 24 ...	...	...	...	Tremors.
	N	e	18 35 ...	...	...	...	
	N,E	f	18 59 ...	...	...	...	
May 12	N,E	eP	20 32 32	...	...	2780	Slight.
	E	PR_2	20 33 16	...	...	...	Epc: 10° N., 96°·5 E Andaman Sea.
	N,E	iS	20 36 59	...	...	...	
	N,E	SR_1	20 38 16	...	...	...	
	N,E	eL	20 40 ...	...	...	...	
	E	Mn	20 42 16	19	4	...	
	N	F	21 12 ...	...	...	...	
	N	F	21 17 ...	...	...	...	
May 13	N,E	iP	09 14 30	...	...	8990	Slight. L-waves poorly developed.
	N,E	PR_1	09 17 43	...	...	...	Epc: 4° S., 150° E. Bismark Archipelago.
	N	PR_2	09 19 39	...	...	...	
	N,E	iS	09 24 40	...	...	...	
	N,E	PS	09 25 24	...	...	...	
	N,E	SR_1	09 30 14	...	...	...	
	N,E	F	11 02 ...	...	...	...	
May 14	N,E	eP	22 26 11	...	...	10500	Slight.
	N,E	PR_1	22 29 59	...	...	...	Epc: 56°·2 N., 150°·7 W. (J. S. A).
	N,E	ScPcS	22 36 41	...	...	...	South of Alaska.
	N,E	ScPc PcS	22 37 18	...	...	...	
	N,E	S	22 37 26	...	...	...	
	N,E	PS	22 38 42	...	...	...	
	N	SR_1	22 43 56	...	...	...	
	E	Mn	23 03 49	30	13	...	
	N	F	23 39 ...	...	...	...	
	E	F	23 46 ...	...	...	...	
May 17	N,E	e	10 39 ...	...	...	...	Tremors.
	E	f	10 56 ...	...	...	...	
	N	f	11 01 ...	...	...	...	
May 17	N E	e	22 21 ...	...	...	...	Tremors.
	N	f	22 47 ...	...	...	...	
	E	f	22 50 ...	...	...	...	
May 19	N	Mn	02 08 30	...	...	...	Seismic activity.
	E	Mn	02 07 34	19	3	...	
May 19	E	e	10 53 ...	...	...	...	Tremors.
	N	e	10 55 ...	...	...	...	
	E	f	11 34 ...	...	...	...	
	N	f	11 36 ...	...	...	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G. M T.	Period.	Amplitude.	△	Remarks.
1934			H. M. S.	Sec.	μ	Km.	
May 21	E	Mn	05 04 51	...	...	...	Seismic activity.
	N	Mn	05 05 45	...	...	...	
May 22	E	eP	01 27 05	...	...	2610	Slight.
	E	iS	01 31 20	...	...	...	Epc: 9° N., 94° E., South of Andaman Islands. N—Beginning lost in shifting record.
	N,E	SR_1	01 32 12	...	...	...	
	E	eL	01 34 ...	...	...	...	
	N	F	03 08 ...	...	...	...	
	E	F	03 13 ...	...	...	...	
May 23	N,E	i	23 21 03	...	...	...	Feeble. Near.
	N,E	e	23 24 02	...	...	...	
	N	f	23 37 ...	...	...	...	
	E	f	23 39 ...	...	...	...	
May 27	N,E	eP	13 32 40	...	...	3155	Slight.
	N,E	eS	13 37 34	...	...	...	
	N,E	SR_1	13 38 56	...	...	...	
	E	Mn	13 43 22	12	3	...	
	N	Mn	13 46 29	7	2	...	
	N	F	14 26 ...	...	...	...	
	E	F	14 27 ...	...	...	...	
May 30	E	i	23 15 07	...	...	...	Feeble. Near.
	N	e	23 15 37	...	...	...	
	N	F	23 37 ...	...	...	...	
	E	F	23 44 ...	...	...	...	
June 1	N,E	e	19 30 51	...	...	...	Feeble Near.
	N,E	i	19 32 15	...	...	...	
	N,E	f	19 38 ...	...	...	...	
June 2	N,E	iP	05 59 15	...	...	2310	Moderate.
	N,E	iS	06 03 06	...	...	...	Epc: 26°·5 N., 93°·5 E Northeast Assam.
	N,E	SR_1	06 03 51	...	...	...	
	N,E	L	06 04 52	...	...	...	
	N	Mn	06 06 55	7	17	...	
	E	F	06 57 ...	...	...	...	
	N	F	07 09 ...	...	...	...	
June 2	N	P	13 54 21	...	...	8110	Slight
	N	PR_2	13 58 47	...	...	...	Epc: 65° N., 20° W. (J.S.A.) Iceland.
	N,E	S	14 03 46	...	...	...	
	N,E	PS	14 04 34	...	...	...	
	N,E	SR_1	14 08 38	...	...	...	
	N	Mn	14 27 42	24	8	...	
	E	Mn	14 29 49	18	5	...	
	N	F	15 16 ...	...	...	...	
	E	F	15 28 ...	...	...	...	
June 2	N,E	i	17 09 14	...	...	...	Feeble. Distant.
	N,E	i	17 09 48	...	...	...	
	N,E	e	17 20 07	...	...	...	
	N,E	Mn	17 44 35	...	...	...	
	N	F	17 56 ...	...	...	...	
	E	F	17 58 ...	...	...	...	

Date.	Comp'.	Phase.	G. M T.	Period.	Amplitude.	△	Remarks.
1934.			H. M. S.	Sec.	μ	Km.	
June 2	N	Mn	21 43 48	...	...	...	Seismic activity.
June 3	N,E	i	16 39 45	...	...	...	Seismic activity.
June 3	N	e	21 13 ...	...	...	...	Feeble.
	E	i	21 13 10	...	...	...	
	E	i	21 15 48	...	...	...	
	E	F	22 12 ...	...	...	...	
	N	F	21 41 ...	...	...	...	
June 4	N,E	P	06 00 09	...	...	1890	Slight.
	N,E	iS	06 03 25	...	...	...	
	N,E	SR_1	06 04 07	...	...	...	
	N,E	L	06 04 37	...	...	...	
	E	F	06 17 ...	...	...	...	
	N	F	06 19 ...	...	...	...	
June 5	E	i	11 36 46	...	...	...	Feeble. Near.
	E	i	11 37 41	...	...	...	
	N	Mn	11 38 20	...	...	...	
June 5	N,E	e	13 16 01	...	...	...	Feeble. Near.
	E	Mn	13 17 57	...	...	...	
	N	Mn	13 18 13	...	...	...	
	N	F	14 31 ...	...	...	...	
June 6	N	e	04 22 ...	...	...	...	Tremors.
	E	e	04 23 ...	...	...	...	
	N		04 43 ...	...	...	...	
	E		04 56 ...	...	...	...	
June 6	N	e	07 00 ...	...	...	...	Tremors.
	E	e	07 02 ...	...	...	...	
	N		07 27 ...	...	...	...	
	E	f	07 29 ...	...	...	...	
June 7	N	Mn	16 54 23	...	...	...	Seismic activity.
	E	Mn	16 55 30	...	...	...	
June 8	E	e	05 49 ...	...	...	...	Tremors.
	N	e	05 56 ...	...	...	...	
	N	f	06 20 ...	...	...	...	
	E	f	06 23 ...	...	...	...	
June 9	N,E	P	13 10 30	...	...	8245	Slight.
	N,E	iS	13 20 08	...	...	...	
	N,E	PS	13 20 44	...	...	...	Epc: 6° S., 143° E., British New Guinea.
	N,E	SR_1	13 25 05	...	...	...	
	N	SR_2	13 27 52	...	...	...	
	N	F	15 01 ...	...	...	...	
	E	F	15 21 ...	...	...	...	
June 11	N,E	e	13 44 ...	...	...	...	Tremors.
	E	f	13 50 ...	...	...	...	
	N	f	13 56 ...	...	...	...	
June 13	N,E	P	02 01 36	..	..	7065	Slight.
	N E	PR_1	02 04 05	...	..	..	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
1934.			H. M. S.	Sec.	μ	Km.	
June 13	N,E	S	02 10 17	...	...	...	Epc: 43°·8 N., 146°·8 E. (Tokyo), Japan.
	N,E	PS	02 10 40	...	...	...	
	N,E	SR_1	02 14 38	...	...	...	
	N,E	SR_2	02 16 41	...	...	...	
	N,E	eL	02 22 ...	...	...	...	
	N	F	03 16 ...	...	...	...	
	E	F	03 24 ...	...	...	...	
June 13-14.	N,E	iP	22 13 24	...	...	1445	Great.
	N,E	ePR_1	22 13 37	...	...	...	Epc: 30° N., 64°E. South Afghanistan.
	N,E	P* (?)	22 14 12	...	...	...	Felt locally at Dera Ismail Khan, Gwadar, Dada and Rawalpindi.
	N,E	$e\overline{P}$	22 14 46	...	...	...	
	N,E	iS	22 15 59	...	...	...	
	N,E	eSR_1	22 16 25	...	...	...	
	N	L	22 17 08	...	...	...	
	N	Mn	22 20 01	13	34	...	
	E	Mn	22 18 31	14	199	...	
	N	F	00 24 ...	...	...	...	
	E	F	00 21 ...	...	...	...	
June 16	N	Mn	20 22 14	...	...	...	Very feeble. Near.
	E	Mn	20 22 27	...	...	...	Felt locally at Gauhati, Salona, Cooch Behar, Dhubri and Shillong.
June 18	N,E	Mn	10 10 02	...	...	...	Seismic activity.
June 20	N,E	P	09 20 07	...	...	2565	Slight.
	N,E	PR_1	09 20 34	...	...	...	
	N,E	S	09 24 18	...	...	...	
	N,E	SR_1	09 25 15	...	...	...	
	E	L	09 26 24	...	...	...	
	N,E	F	Mixed up with microseisms.				
June 23	N	eP	05 25 00	...	...	2500	Moderate.
	N	iS	05 29 06	...	...	...	
	N	iL	05 31 10	...	...	...	Epc: 32° N., 92°·5 E. (Tibet).
	N	Mn	05 33 10	10	36	...	
	N	F	Mixed with up microseisms.				
June 24	N,E	P	06 19 25	...	...	15480	Moderate.
	E	PR_1	06 22 13	...	...	...	Epc: 23° S., 68° W (U. S. C. G. S.) Argentine.
	E	ScPcP	06 22 41	...	...	...	
	N,E	ScPc PcS	06 28 44	...	...	...	
	E	PScPcS	06 32 21	...	...	...	
	E	PPS	06 36 13	...	...	...	
	N	SR_1	06 40 59	...	...	...	
	E	SR_1	06 41 21	...	...	...	
	E	SR_2	06 46 17	...	...	...	
	E	eL	07 08 ...	...	...	...	
	E	Mn	07 21 23	20	20	...	
	N	Mn	07 23 13	19	10	...	
	N,E	F	Masked by microseisms.				
June 25	E	Mn	16 13 59	...	...	...	Seismic activity.
	N	Mn	16 14 08	...	...	...	
1934.							
June 26	E	Mn	09 16 21	...	...	...	Seismic activity.
	N	Mn	09 16 48	...	...	...	
June 29	N,E	P	08 33 54	...	...	5135	Moderate.
	N,E	PR_2	08 36 13	...	...	...	
	N,E	iS	08 40 46	...	...	...	Waves not well L-developed.
	N,E	SR_2	08 44 39	...	...	...	Epc: 1° N., 115°·5 E., Borneo.
	N,E	F	Masked by microseisms.				
June 30	N	Mn	12 52 7	...	...	...	Seismic activity.
	E	Mn	12 55 17	...	...	...	
July 3	N	Mn	09 00 51	...	...	...	Slight. Near
	E	Mn	09 00 59	...	...	...	Felt locally at Drosh.
July 4	E	e	02 40 0	...	...	...	Tremors.
	E	f	02 56 0	...	...	...	
July 6-7	N,E	PR_1	23 09 01	...	...	12700	Slight.
	N.E	ScPc PcS	23 15 56	...	...	...	Beginning masked by microseisms.
	N,E	PS	23 18 38	...	...	...	Epc: 42° N.,126° W. (U. S. C. G. S.)
	N,E	SR_1	23 25 01	...	...	...	Pacific Ocean off southern Oregon.
	N,E	SR_2	23 29 21	...	...	...	
	N,E	eL	23 14 0	...	...	...	
	E	Mn	23 50 50	25	13	...	
	N	Mn	23 50 58	24	14	...	
	N	F	01 15 0	...	...	...	
	E	F	01 24 0	...	...	...	
July 7	E	Mn	15 42 31	...	...	...	Seismic activity.
July 12	E	Mn	10 36 13	...	...	...	Seismic activity.
July 12	N,E	e	14 35 57	...	...	...	Very feeble.
	N,E	i	14 40 42	...	...	...	
	E	Mn	14 50 34	15	2	...	
	N	Mn	14 52 04	...	...	...	
	N,E	F	Mixed up with microseisms.				
July 15	N,E	eS	02 13 35	...	...	...	Feeble.
	N,E	iL	02 15 03	...	...	...	Felt locally at Mymensingh, Dhubri, Cooch Behar, Shillong and Gauhati.
	N,E	F	Masked by microseisms.				
July 18	N,E	P	01 55 57	...	...	16380	Great.
	N,E	PR_1	01 59 20	...	...	...	Epc: 8°·2 N., 82°·5 W. (J. S. A.) Panama. Destructive at David city and Puerto Armuelles.
	E	PR_2	02 02 28	...	...	...	
	N,E	ScPc PcS	02 06 07	...	...	...	
	N,E	P ScPcS	02 09 35	...	...	...	
	N,E	PPS	02 12 12	...	...	...	
	N,E	SR_1	02 18 32	...	...	...	

TABLE D 2—*contd*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
1934.			H. M. S.	Sec.	μ	Km.	
July 18	N,E	SR	02 24 02	...	...	...	
	N	Mn	03 06 42	21	47	...	
	E	Mn	03 03 00	23	84	...	
	N	F	06 29 ...	...	...	...	
	E	F	06 30 ...	...	...	...	
July 18	N,E	Mn	08 42 28	...	...	...	Seismic activity.
July 18	N,E	Mn	16 46 51	...	...	...	Seismic activity.
July 18	N,E	P	17 19 16	...	...	16420	Slight.
	N,E	PR_1	17 22 44	...	...	...	Aftershock of the great Panama Earthquake of the 18th.
	N,E	PR_2	17 26 14	...	...	...	
	E	P $\overline{ScPcS}$	17 32 57	...	...	...	
	N,E	SR_1	17 41 28	...	...	...	Epc : 8°·2 N., 82°·2 W. (J. S. A.)
	N,E	SR_2	17 47 06	...	...	...	
	N	Mn	18 33 21	23	9	...	
	E	Mn	18 35 58	20	9	...	
	N	F	19 33 ...	...	...	...	
	E	F	19 43 ...	...	...	...	
July 18-19.	N,E	iP	19 53 58	...	...	10910	Great.
	E	e (?)	19 57 08	...	...	...	Epc. 16°·8 S., 16·7° E. (J. S. A.).
	N,E	P (?)	19 57 38	...	...	...	New Hebrides.
	N,E	PR_2	20 00 06	...	...	..	
	N,E	$\overline{ScPc\ PcS}$	20 05 02	...	...	...	
	N,E	PS	20 06 38	...	...	...	
	N,E	PPS	20 07 20	...	...	...	
	N,E	SR_1	20 12 13	...	...	...	
	N,E	SR_2	20 16 00	...	...	...	
	N	eL	20 27 58	...	...	...	
	E	eL	20 27 35	...	...	...	
	E	Mn	20 41 21	21	99	...	
	N	Mn	20 45 12	19	99	...	
	N	F	00 10 ...	...	...	...	
	E	F	00 11 ...	...	...	...	
July 19	E	e	00 20 21	...	...	...	Slight. Very distant.
	E	i	00 31 02	...	...	...	
	E	Mn	00 57 30	...	...	...	
	E	F	Mixed up with the following shock.				
July 19	N,E	P	01 37 58	...	...	6655	Moderate.
	N,E	PR_1	01 40 19	...	...	...	
	E	PR_2	01 41 22	...	...	...	Epc : 1° S., 129°·5 E.
	N,E	iS	01 46 16	...	...	...	Southeast of Malucca Islands.
	N,E	PS	01 46 47	...	...	...	
	E	SR_1	01 50 22	...	...	...	
	N,E	L	01 57 ...	...	...	...	
	E	Mn	02 10 35	19	21	...	
	N	F	04 39 ...	...	...	...	
	E	F	04 39 ...	...	...	...	

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
1934.			H. M. S.	Sec.	μ	Km.	
July 19	N,E	i	06 10 21	...	...	...	Slight. Distant.
	E	Mn	06 49 30	21	5	...	
	N	Mn	06 53 13	17	3	...	
	N	F	07 34 ...	...	...	...	
	E	F	07 36 ...	...	...	...	
July 19	N,E	P	07 50 43	...	...	11090	Slight. Aftershock of the great earthquake of July 18 in New Hebrides.
	N,E	$\overline{ScPcS}$	08 01 13	...	...	...	
	N	$\overline{cPc\ PcS}$	08 01 54	...	...	...	
	,E	PS	08 03 36	...	...	...	
	N	SR_1	08 09 13	...	...	...	
	E	eL	08 26 0	...	...	...	
	E	Mn	08 46 36	19	9	...	
	N	Mn	08 51 13	17	9	...	
	N	F	10 30 0	...	...	...	
	E	F	10 43 0	...	...	...	
July 19	N,E	i	23 21 57	...	...	...	Seismic activity.
	N,E	F	23 31 0	...	...	...	
July 20	N	Mn	03 05 30	...	...	...	Seismic activity.
	E	Mn	03 06 00	...	...	...	
July 20	N,E	i	19 13 01	...	...	...	Feeble. Distant.
	E	Mn	19 48 30	16	3	...	
	N	Mn	20 00 34	15	3	...	
	N	F	20 40 0	...	...	...	
	E	F	20 0	...	...	...	
July 21	N	eP	06 32 26	...	...	11100	Moderate.
	N	iPR_1	06 36 13	...	...	...	Epc: 18°·2 S., 164° E. (J. S. A.).
	N	$\overline{ScPcS}$	06 43 00	...	...	...	Near New Hebrides of Islands. E-out of order.
	N	$\overline{ScPc\ PcS}$	06 43 37	...	...	...	
	N	SR_1	06 51 0	...	...	...	
	N	SR_2	06 55 00	...	...	...	
	N	eL	07 08 0	...	...	...	
	N	Mn	07 30 13	19	58	...	
	N	F	10 25 0	...	...	...	
July 21	N	P	10 58 43	...	...	16220	Slight. Epc: Aftershock of the great Panama Earthquake of 18.
	N	PR_1	11 01 43	...	...	...	
	N	$\overline{ScPcP}$	11 02 13	...	...	...	E.—Out of order.
	N	$\overline{ScPc\ PcS}$	11 08 58	...	...	...	
	N	P $\overline{ScPcS}$	11 12 20	...	...	...	
	N	PPS	11 15 00	...	...	...	
	N	SR_1	11 20 35	...	...	...	
	N	SR_2	11 26 56	...	...	...	
	N	eL	11 48 ...	...	...	...	
	N	Mn	12 33 05	18	5	...	
	N	F	13 22 ...	...	...	...	
July 22	N	Mn	04 09 30	16	4	...	Siesmic activity

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
July 22	N	P	20 00 50	...	...	1745	Slight.
	N	PR_1	20 01 01	...	...	...	Epc 34°N., 71° E. Felt at Srinagar, Gulmarg, Gilgit, Dras, Drosh, Cherut, Peshawar, Rawalpindi, Sialkot, Lahore, Delhi, Amritsar and Dera Ismail Khan. E.—out of order.
	N	P*	20 01 45	...	...	...	
	N	P (?)	20 02 38	...	...	...	
	N	S	20 03 53	...	...	...	
	N	SR_1	20 04 27	...	...	...	
	N	i	20 04 53	...	...	...	
	N	L (?)	20 05 23	...	...	...	
	N	F	Masked by microseisms.				
July 28	E	P	02 11 26	...	...	2355	Slight.
	N,E	iS	02 15 20	...	...	...	P lost in N-S component in shifting paper. Epc: 35° N., 87°5 E. Tibet.
	E	SR_1	02 16 18	...	...	...	
	N,E	iL	02 17 37	...	...	...	
	E	Mn	02 20 52	9	8	...	
	N	Mn	02 21 22	7	6	...	
	N,E	F	Mixed up with microseisms.				
July 28	E	P	21 50 25	...	...	10690	Moderate.
29.	E	PR	21 54 08	...	...	...	N—out of order.
	E	PR	21 56 25	...	...	...	Epc: 55°·1 N., 154°8 W. (J. S. A.) South of Alaska.
	E	ScPcS	22 00 54	...	...	...	
	E	PS	22 02 58	...	...	...	
	E	SR_1	22 08 30	...	...	...	
	E	eL	22 23 30	...	...	...	
	E	Mn	22 36 28	23	53	...	
	E	F	00 36 ...	...	...	...	
July 30	N	i	03 38 ...	...	...	...	Slight.
	E	Mn	03 44 25	...	...	...	
	N,E	F	Masked by microseisms.				
July 31	N,E	i	06 13 28	...	...	...	Seismic activity.
	N,E	F	Masked by microseisms.				
July 31	N,E	i	11 09 17	...	...	...	Seismic activity.
	N	Mn	11 15 27	...	...	...	
	E	Mn	11 14 20	...	...	...	
July 31	N,E	P	11 55 07	...	...	2955	Slight.
	N,E	PR_1	11 55 44	...	...	...	Epc: 5° N., 96° E. North Sumatra.
	N,E	PR_2	11 56 04	...	...	...	
	N,E	S	11 59 47	...	...	...	
	N,E	SR_1	12 01 01	...	...	...	
	N,E	eL	12 03 ...	...	...	...	
	N	Mn	12 06 20	...	...	...	
	E	Mn	12 06 31	17	6	...	
	N,E	F	Masked by microseisms.				
Aug. 2	N	Mn	08 12 18	...	...	...	Seismic activity.
	E	Mn	08 13 ...	...	...	...	

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Aug. 4	E	i	13 19 54	...	...	...	Feeble. Distant.
	N,E	i	13 24 08	...	...	...	
	N,E	i	13 29 30	...	...	...	
	N,E	F	14 22 ...	...	...	...	
Aug. 7	N,E	iP	03 53 43	...	...	10810	Slight.
	E	e (?)	03 56 38	...	...	...	Ep: 16° S. 163° E. West of New Hebrides Islands.
	N,E	PR_2	03 59 46	...	...	...	
	N,E	ScPcS	04 04 19	...	...	...	
	E	PS	04 06 23	...	...	...	
	N	PPS	04 06 59	...	...	...	
	N,E	SR_1	04 11 49	...	...	...	
	N,E	SR_2	04 15 49	...	...	...	
	E	Mn	04 44 27	18	9	...	
	N	Mn	04 49 08	19	10	...	
	N	F	06 31 ...	...	...	...	
	E	F	06 51 ...	...	...	...	
Aug. 7	N,E	e	12 00 49	...	...	...	Slight. Near.
	E	i	12 03 54	...	...	...	
	N,E	eL (?)	12 05 30	...	...	...	
	N	Mn	12 08 36	11	13	...	
	E	Mn	12 08 30	13	11	...	
	N,E	F	Mixed up with microseisms.				
Aug. 9	N,E	i	19 56 24	...	...	...	Slight.
	N	F	20 57 ...	...	...	...	
	E	F	20 59 ...	...	...	...	
Aug. 11	N,E	P	08 26 43	...	...	5045	Slight.
	N,E	S	08 33 30	...	...	...	Epc: 24°·7 N., 121°·7 E (Manila), Formosa) Islands.
	N,E	SR_2	08 37 26	...	...	...	
	N	Mn	08 45 11	15	21	...	
	E	Mn	08 45 20	15	12	...	
	N,E	F	Masked by microseisms.				
Aug. 11	E	e	12 10 ...	...	...	...	Slight. Distant.
	N,E	i	12 20 11	...	...	...	
	E	Mn	12 48 27	15	3	...	
	N	F	13 22 ...	...	...	...	
	E	F	13 30 ...	...	...	...	
Aug. 12-13.	N,E	iP	23 58 37	...	...	5865	Moderate.
	E	PR_1	00 00 41	...	...	...	Epc: 7°·6 N., 126·2° E. (J. S. A.).
	N	PR_2	00 01 40	...	...	...	
	N	S	00 06 12	...	...	...	Mindanao Islands.
	E	S	00 06 08	...	...	...	
	N,E	PS	00 06 44	...	...	...	
	N,E	SR_1	00 09 44	...	...	...	
	N,E	SR_2	00 11 14	...	...	...	
	N	L	00 15 ...	...	...	...	
	E	L	00 15 26	...	...	...	
	E	Mn	00 24 18	17	47	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Aug. 12-13	N	Mn	00 29 08	16	16	...	
	N	F	01 30 ...	...	...	...	
	E	F	01 45 ...	...	...	...	
Aug. 18	N	Mn	03 14 ...	...	...	...	Seismic activit
	E	Mn	03 17 23	...	...	...	
Aug. 21	N,E	e	19 32 54	...	...	3890	Slight. △ from (S ∽ SR_3) interval. Epc: South Sumatra's West Coast (Batavia).
	N,E	S	19 37 40	...	...	...	
	N,E	SR_3	19 40 01	...	...	...	
	E	Mn	19 45 24	17	9	...	
	N	Mn	19 47 09	15	7	...	
	N,E	F	Masked by microseisms.				
Aug. 22	N,E	e	10 41 ...	...	...	...	Seismic activity.
	N	f	10 55 ...	...	...	...	
	E	f	10 53 ...	...	...	...	
Aug. 23-24.	E	i	23 54 39	...	...	...	Slight Distant.
	N,E	i	00 12 59	...	...	...	
	E	Mn	00 57 16	15	2	...	
	N	Mn	01 01 ...	...	...	...	
	N,E	F	01 30 ...	...	...	...	
Aug. 26	N,E	i	17 41 18	...	...	...	Slight. Distant.
	E	Mn	17 53 15	...	...	...	
	N	Mn	17 54 16	...	...	...	
	N	F	18 10 ...	...	...	...	
	E	F	18 17 ...	...	...	...	
Aug. 29	N,E	i	03 48 13	...	...	...	Feeble. Beginning doubtful. Felt locally at Shambalpur, Muzaffarpur and Benares.
	N	Mn	03 50 14	2	10	...	
	E	Mn	03 50 14	2	4	...	
	N	F	04 01 ...	...	...	...	
	E	F	04 05 ...	...	...	...	
Aug. 31	N,E	P	05 15 29	...	...	9620	Slight.
	E	PR_1	05 18 51	...	...	...	Epc: 71°½ N., 70° W. (J. S. A.).
	N	PR_2	05 20 46	...	...	...	Baffin Bay.
	N,E	ScPcS	05 25 44	...	...	...	
	N	$\overline{S}$	05 26 08	...	...	...	
	N,E	PPS	05 27 28	...	...	...	
	N,E	SR_1	05 32 04	...	...	...	
	E	eL	05 43 ...	...	...	...	
	N	Mn	05 59 23	20	6	...	
	E	Mn	05 50 27	23	8	...	
	N	F	07 08 ...	...	...	...	
	E	F	07 39 ...	...	...	...	
Aug. 31	N,E	iP	15 02 21	...	...	2280	Moderate.
	N,E	PR_1	15 02 40	...	...	...	Epc: 39° N., 75° E. Pamir Plateau.
	N,E		15 06 09	...	...	...	
1934.							
Aug. 31	N,E	SR_1	15 06 54	...	...	...	
	N,E	L	15 07 51	...	...	...	
	E	Mn	15 08 41	8	30	...	
	N	Mn	15 10 37	8	36	...	
	N	F	16 57 ...	...	...	...	
	E	F	17	...	...	...	
Aug. 31	N	e	17 54 ...	...	...	...	Tremors.
	E	e	17 55 ...	...	...	...	
	N	f	18 07 ...	...	...	...	
	E	f	18 05 ...	...	...	...	
Sept. 1	N	e	08 21 ...	...	...	...	Tremors.
	E	e	08 24 ...	...	...	...	
	N	f	08 43 ...	...	...	...	
	E	f	08 40 ...	...	...	...	
Sept. 1	N,E	e	12 40 ...	...	...	...	Feeble. Near.
	E	i	12 42 12	...	...	...	
	N	Mn	12 44 27	...	...	...	
	N	F	12 56 ...	...	...	...	
	E	F	12 54 ...	...	...	...	
Sept. 3	N	e	10 23 56		...	...	Feeble. Near.
	E	i	10 27 40	...	...	...	
	N	Mn	10 33 59	...	...	...	
	N	F	10 46 ...	...	...	...	
	E	F	10 48 ...	...	...	...	
Sept. 4	E	e	16 49 14	...	...	...	Feeble. Distant
	N,E	i	16 52 56	...	...	...	
	N	Mn	17 39 ...	15	4	...	
	E	Mn	17 34 ...	17	3	...	
	E	F	18 39 ...	...	...	...	
	N	F	18 44 ...	...	...	...	
Sept. 5	N,E	i	02 29 45	...	...	...	Feeble.
	E	Mn	02 39 15	...	...	...	
	E	F	02 47 ...	...	...	...	
	N	F	02 48 ...	...	...	...	
Sept. 6	N,E	i	02 33 15	...	...	...	Feeble.
	N,E	i	02 35 27	...	...	...	
	N	F	03 07 ...	...	...	...	
	E	F	03 08 ...	...	...	...	
Sept. 8	N	eP	06 49 36	...	...	2265	Slight.
	N,E	S	06 53 23	...	...	...	Epc: After shock of the Pamir Plateau earthquake of Aug. 1931.
	N,E	eL	06 55 30	...	...	...	
	N	Mn	06 58 30	7	2	...	
	E	F	07 15 ...	...	...	...	
	N	F	07 17 ...	...	...	...	
Sept. 8	N	Mn	14 18 ...	...	...	...	Seismic activity.

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Sept. 9	N	e	05 04 ...	...	...	...	Tremors.
	N	f	05 23 ...	...	...	...	E—out of order.
Sept. 11	N,E	i	08 31 ...	...	...	...	Seismic activity.
	E	F	08 55 ...	...	...	...	
Sept. 11	N,E	i	14 17 32	...	...	...	Seismic activity.
Sept. 12	E	Mn	15 01 30	...	...	...	Seismic activity. N—out of order.
Sept. 12	E	Mn	19 17 30	...	...	...	Seismic activity. N—out of order.
Sept. 13	N,E	Mn	14 52 40	...	...	...	Seismic activity.
Sept. 16	N,E	Mn	06 40 ...	...	...	...	Feeble seismic activity.
Sept. 16	N,E	Mn	13 48 15	...	...	...	Feeble seismic activity.
Sept. 17	N,E	i	17 26 23	...	...	...	Feeble seismic activity.
Sept. 17	N	i	18 52 02	...	...	...	Feeble seismic activity.
	E	i	18 49 30	...	...	...	
Sept. 21	N,E	eP	12 45 09	...	...	3455	Slight. Probably deep focus.
	N,E	e	12 48 41	...	...	...	Maximum movements near SR_1.
	N,E	iS (?)	12 50 22	...	...	...	Epc: 3° N., 100° E., North Sumatra.
	N,E	SR_1 (?)	12 52 18	...	...	...	
	N	F	13 50 ...	...	...	...	
	E	F	13 42 ...	...	...	...	Felt in Tapanoeli (Batavia).
Sept. 23	N,E	e	01 33 ...	...	...	...	Seismic activity.
	N,E	F	01 47 ...	...	...	...	
Sept. 23	N	Mn	09 08 14	...	...	...	Seismic activity.
	E	Mn	09 07 29	...	...	...	
Sept. 24	N	Mn	11 33 30	...	...	...	Seismic activity.
	E	Mn	11 38 25	...	...	...	
Sept. 25	N,E	i	19 26 38	...	...	...	Feeble.
	N	Mn	19 37 23	...	...	...	
	E	Mn	19 37 15	...	...	...	
	N,E	F	20 02 ...	...	...	...	
Sept. 25	N,E	e	23 32 ...	...	...	...	Feeble.
	N,E	Mn	23 36 30	...	...	...	
	N	F	23 55 ...	...	...	...	
	E	F	23 57 ...	...	...	...	
Sept. 26	N,E	e	01 11 ...	...	...	...	Feeble.
	E	F	01 38 ...	...	...	...	Felt locally at Lahore, Peshawar, Drosh, Srinagar and Gulmarg.
	N	F	01 40 ...	...	...	...	
Sept. 26	N	Mn	08 33 29	...	...	...	Seismic activity.
	E	Mn	08 34 20	...	...	...	
Sept. 27	N,E	e	23 00 ...	...	...	...	Tremors.
	N,E	f	23 15 ...	...	...	...	

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Oct. 5	N,E	i	20 36 28	...	...	...	Slight.
	N,E	e	20 45 ...	...	...	...	
	N	Mn	21 06 52	16	4	...	
	E	Mn	21 06 26	14	2	...	
	N	F	21 34 ...	...	...	...	
	E	F	21 35 ...	...	...	...	
Oct. 5	N	Mn	22 32 33	...	...	...	Probably seismic.
	E	Mn	22 30 30	...	...	...	
Oct. 6	N	Mn	14 20 15	13	2	...	Seismic activity.
	E	Mn	14 20 20	13	1	...	
Oct. 10	N,E	e	16 00 30	...	...	...	Slight. Distant.
	N,E	e	16 02 31	...	...	...	Beginning uncertain.
	N,E	i	16 05 38	...	...	...	L—waves poor.
	N,E	i	16 06 46	...	...	...	
	N,E	i	16 07 37	...	...	...	
	E	i	16 09 12	...	...	...	
	N	F	17 46 ...	...	...	...	
	E	F	17 49 ...	...	...	...	
Oct. 15	E	e	08 32 ...	...	...	...	Slight.
	N	e	08 37 ...	...	...	...	
	E	Mn	08 46 52	7	1	...	
	N,E	F	09 06 ...	...	...	...	
Oct. 18	E	e	08 01 29	...	...	...	Slight. Distant.
	N	e	08 01 36	...	...	...	Time uncertain.
	E	Mn	08 47 46	16	3	...	
	N	F	09 55 ...	...	...	...	
	E	F	09 54 ...	...	...	...	
Oct. 19	N,E	iP	21 02 13	...	...	1690	Slight.
	N,E	iS	21 05 11	...	...	...	Epc.: 32° N., 81° E. Tibet.
	E	SR_1	21 05 36	...	...	...	
	N	SR_1	21 05 40	...	...	...	
	E	L	21 06 15	...	...	...	
	N	eL	21 06 25	...	...	...	
	E	Mn	21 07 44	9	17	...	
	N	Mn	21 07 46	13	19	...	
	N,E	F	21 44 ...	...	...	...	
Oct. 20	N	e	08 21 ...	...	...	...	Slight.
	N	Mn	08 26 30	...	...	...	
	E	Mn	08 28 40	...	...	...	
	N,E	F	08 41 ...	...	...	...	
Oct. 21	N,E	iP	18 04 26	...	...	7110	Slight.
	N,E	iS	18 13 09	...	...	...	
	N,E	PS	18 14 03	...	...	...	
	N,E	SR_1	18 17 37	...	...	...	
	N	F	19 01 ...	...	...	...	
	E	F	19 04 ...	...	...	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1934.							
Oct. 22	N,E	e	01 07 ...	...	...	...	Feeble. Near.
	N,E	f	01 26 ...	...	...	...	
Oct. 25	N,E	e	01 40 19	...	...	...	Slight. Near.
	N,E		01 42 43	...	...	...	
	E	Mn	01 44 47	9	2	...	
	E	F	01 58 ...	...	...	...	
	N	F	02 02 ...	...	...	...	
Oct. 2	N,E	P	14 53 08	...	...	5400	Slight.
	N,E	iS	15 00 15	...	...	...	Epc: 0°.0 118° E. West of Borneo.
	N,E	i	15 02 03	...	...	...	
	E	SR_1	15 03 52	...	...	...	
	N	F	15 53 ...	...	...	...	
	E	F	15 50 ...	...	...	...	
Oct. 26	N,E	iP	17 20 30	...	...	5865	Slight.
	N,E	iS	17 28 03	...	...	...	Epc: 32° N., 129°E West of Kinseu Islands (Japan).
	N	eL	17 37 ...	...	...	...	
	E	eL	17 40 ...	...	...	...	
	E	Mn	17 48 37	15	4	...	
	N	Mn	17 49 38	12	3	...	
	N	F	18 47 ...	...	...	...	
	E	F	18 48 ...	...	...	...	
Oct. 27	E	Mn	11 11 18	...	...	...	Seismic activity.
	N	Mn	11 12 10	15	2	...	
Oct. 29	N,E	P	16 21 56	...	...	3520	Slight.
	N,E	S	16 27 13	...	...	...	
	N	F	17 21 ...	...	...	...	
	E	F	17 20 ...	...	...	...	
Nov. 2	N,E	e	15 27 ...	...	...	...	Tremors.
	N,E	f	15 34 ...	...	...	...	Mixed up with microseisms.
Nov. 3	N,E	e	06 56 ...	...	...	...	Tremors. Mixed up with microseisms.
	E	f	07 02 ...	...	...	...	
	N	f	07 07 ...	...	...	...	
Nov. 4	E	i	02 12 43	...	...	...	Slight. Distant.
	N	Mn	03 04 ...	15	7	...	
	E	Mn	02 53 30	17	3	...	
	E	F	05 51 ...	...	...	...	
	N	F	05 53 ...	...	...	..	
Nov. 5-6	N,E	iP	23 15 16	...	...	10020	Slight.
	E	$\frac{ScPcS}{}$	23 25 34	...	...	...	Epc: 53°·2N.,176°·7 W. (J.S. A.).
	N	$\frac{ScPc\ PcS}{}$	23 26 03	...	...	...	North of Aleutian Islands.
	N,E	iS	23 26 10	...	...	...	
	N,E	SR_1	23 32 20	...	...	...	
	N	Mn	23 51 18	19	6	...	
	E	Mn	23 57 30	19	8	...	
	E	F	00 54 ...	...	...	...	
	N	F	01 04 ...	...	...	...	
1934.							
Nov. 12	N,E	iP	07 26 12	...	...	3 45	Slight.
	N,E	iS	07 31 43	...	...	...	Epc: 53° N., 69°E., North of Russian Turkistan.
	N	iL	07 36 21	...	...	...	
	E	eL	07 37 ...	...	...	...	
	N	Mn	07 41 22	18	9	...	
	E	Mn	07 41 28	15	5	...	
	N	F	08 40 ...	...	...	...	
	E	F	08 38 ...	...	...	...	
Nov. 13	N	e	11 58 ...	...	...	...	Tremors.
	E	e	12 00 ...	...	...	...	
	N	F	12 13 ...	...	...	...	
	E	F	12 15 ...	...	...	...	
Nov. 15	N,E	P	23 18 49	...	...	1865	Slight.
	N	PR_2 (?)	23 19 13	...	...	...	Epc: 36°N., 74°E. Kashmir.
	N,E	S	23 22 05	...	...	....	Felt locally at Drosh and Srinagar.
	E	eL	23 23 ...	...	...	...	
	N,E	F	23 49 ...	...	...	...	
Nov. 16	N,E	e	13 55 ...	...	...	...	Feeble. Distant.
	N,E	i	14 04 39	...	...	...	
	N	Mn	14 55 23	15	3	...	
	E	F	15 26 ...	...	...	...	
	N	F	15 53 ...	...	...	...	
Nov. 18	N,E	iP	03 25 15	...	...	1820	Moderate.
	N,E	iP* (?)	03 26 17	...	...	...	Epc: 34°·5N., 72°·5E North-West Frontier
	N,E	$\overline{P}$ (?)	03 27 02	...	...	...	Felt strongly at Drosh, Srinagar, Rawalpindi and Peshawar.
	N,E	eS	03 28 25	...	...	...	
	N,E	SR_1	03 29 03	...	...	...	
	N,E	eL	03 30 ...	...	...	...	
	E	Mn	03 30 53	...	...	...	
	N,E	F	04 47 ...	...	...	...	
Nov. 18	N,E	e	09 30 03	...	...	...	Slight. Distant.
	E	Mn	10 05 46	...	...	...	
	E	F	10 22 ...	...	...	...	
	N	F	10 32 ...	...	...	...	
Nov. 18-19.	N,E	iP	22 52 33	...	...	9450	Slight.
	E	$\frac{PR_1}{}$	22 55 50	...	...	...	Epc: 1°S., 155°E. North of New Ireland (Pacific).
	N,E	ScPcS	23 02 42	...	...	...	
	N,E	eS	23 03 05	...	...	...	
	E	SR_1	23 08 48	...	...	...	
	E	eL	23 20 35	...	...	...	
	N	F	00 13 ...	...	...	...	
	E	F	00 01 ...	...	...	...	
Nov. 19	N,E	e	02 51 ...	...	...	...	Tremors.
	N	F	03 08 ...	...	...	...	
	E	F	03 10 ...	...	...	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase	G.M. T.	Period.	Amplitude.	△	Remarks.
1934.			H. M. S.	Sec.	μ	Km.	
Nov. 19	N,E	e	10 06 ...	...	...	...	Tremors.
	E	f	10 25 ...	...	...	...	
	N	f	10 26 ...	...	...	...	
Nov. 22	N	e	22 31 ...	...	...	...	Probably seismic.
	E	i	22 31 18	...	...	...	
	E	F	22 53 ...	...	...	...	
	N	F	22 56 ...	...	...	...	
Nov. 23	N,E	e	09 45 ...	...	...	...	Feeble. Distant.
	E	F	10 02 ...	...	...	...	
	N	F	10 03 ...	...	...	...	
Nov. 24	N,E	e	12 ...	...	...	...	Feeble. Distant.
	E	F	14 ...	...	...	...	
Nov. 26	N,E	P	12 17 35	...	...	4845	Slight.
	E	PR.	12 19 15	...	...	...	L—waves poor.
	N,E	iS	12 24 11	...	...	...	Epc: 14°N., 118° E. West of Philippines.
	N,E	SR_1	12 27 11	...	...	...	
	N	eL	12 31 35	...	...	...	
	N	F	12 49 ...	...	...	...	Feeble. Seismic movements.
Nov. 27	N,E	e	01 39 ...	...	...	...	
Nov. 27	N,E	P	06 23 44	...	...	6155	Slight.
	N,E	iS	06 31 32	...	...	...	Epc: 4°N., 126°·7 E. South of Mindanao Islands.
	E	SR_1	06 35 34	...	...	...	
	N	L	06 40 44	...	...	...	
	N	Mn	06 47 03	19	16	...	
	N	F	08 30 ...	...	...	...	
Nov. 29	N	Mn	22 49 21	11	3	...	Seismic activity.
	E	Mn	22 48 30	...	...	...	
Nov. 30	E	eP^1	02 24 46	...	...	15780	Slight.
	E	PR_1	02 27 36	...	...	...	Epc: 18°·5N., 105°W (J. S. A.).
	E	ScPcP	02 28 08	...	...	...	Mexico.
	E	PR_2	02 31 ...	...	...	...	
	E	SR_1	02 46 10	...	...	...	N—lost during shift.
Nov. 30	N,E	Mn	21 44 ...	...	...	...	Seismic activity.
Dec. 2	N,E	i	16 49 16	...	...	...	Slight. Distant.
	E	i	16 58 40	...	...	...	
	N,E	i	16 55 11	...	...	...	
Dec. 3	N,E	i	02 58 ...	...	...	...	Feeble. Very distant.
	N	F	05 05 ...	...	...	...	
	E	F	Masked by microseisms.				
Dec. 4	N,E	P'	17 43 44	...	...	17000	Slight.
	E	PR_1	17 47 44	...	...	...	Epc: 19° S., 70° W. (U. S. C. G. S.).
	E	ScPc PCS	17 54 14	...	...	...	
Dec. 4	E	F	19 20 ...	...	...	...	Northern Chille. Time uncertain owing to failure of T me marks.
Dec. 5	N,E	e	21 38 18	...	...	...	Seismic activity.
Dec. 9	E	eP	11 26 36	...	...	5010	Slight.
	E	S	11 33 06	...	...	...	N– out of order.
	E	SR_1	11 36 06	...	...	...	
	E	SR_2	11 36 13	...	...	...	
	E	eL	11 40 20	...	...	...	
	E	F	12 06 ...	...	...	...	
Dec. 12	N	e	09 01 ...	...	...	...	Tremors.
	E	e	08 59 ...	...	...	...	
	N,E	f	09 24 ...	...	...	...	
Dec. 13	N,E	e	01 12 ...	...	...	...	Seismic activity.
	E	f	01 34 ...	...	...	...	
	N	f	01 32 ...	...	...	...	
Dec. 14	E	eP	20 46 49	...	...	2065	Slight.
	N,E	iP	20 47 04	...	...	...	Epc: 32° N., 88° E., South Tibet.
	N,E	eS	20 50 20	...	...	...	Foreshock of the following great shock.
	N,E	iS	20 50 36	...	...	...	
	E	SR_2	20 51 14	...	...	...	
	N,E	SR_3 (?)	20 51 31	...	...	...	
	N,E	eL	20 52 ...	...	...	...	
	N	Mn	20 53 30	10	12	...	
	E	Mn	20 54 52	7	5	...	
	N	F	Masked by microseisms.				
	E	F	21 21 ...	...	...	...	
Dec. 15	N	iP	02 02 01	...	...	2065	Very great.
	N	iPR_1	02 02 19	...	...	...	Epc: 32 ° N., 88° E. South Tibet. Beginning of E-W lost in shifting. Maximum movements not recorded by E-W and lost in shifting of N-S.
	N	P*	02 03 17	...	...	...	
	N	$\overline{P}$	02 04 04	...	...	...	
	N,E	iS	02 05 32	...	...	...	
	N,E	SR_1	02 06 10	...	...	...	
	N	L	02 07 06	...	...	...	
	E	L	02 07 12	...	...	...	
	N	F	05 30 ...	...	...	...	
	E	F	05 39 ...	...	...	...	
Dec. 15	N	Mn	06 39 40	...	...	...	Probably aftershock of Tibetan shock of 15th December 1934.
Dec. 15	N	Mn	07 23 12	...	...	...	Probably aftershock of Tibetan shock of 15th December 1934.
	E	Mn	07 23 16	...	...	...	

TABLE D 2—*contd.*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
1934.			H. M. S.	Sec.	μ	Km.	
Dec. 15	N	Mn	07 36 20	...	...	...	Probably aftreshock of Tibetan shock of 15th December 1934.
	E	Mn	07 36 37	...	...	...	
Dec. 15	N	Mn	09 07 40	...	...	...	Probably after shock of Tibetan shock of 15th December 1934.
Dec. 15	N	Mn	10 39 35	...	...	...	Probably aftershock of Tibetan shock of 15th December 1934.
			10 39 45	...	...	...	
	E	Mn					
Dec. 15	N,E	e	17 57 20	...	...	...	Slight. Aftershock of the Tibetan shock of 15th December 1934.
	N,E	e	18 00 57	...	...	...	
	N	Mn	18 05 17	9	4	...	
	E	Mn	18 05 15	7	2	...	
	N	F	18 22 ...	...	...	...	
	E	F	18 24 ...	...	...	...	
Dec. 15	N,E	i	19 38 06	...	...		Slight. Distant.
	N,E	i	19 39 12	...	...	...	
	N,E	F	20 32 ...	...	...	...	
De . 16	N	Mn	00 40 12	7	3	...	Aftershock of the Tibetan shock of 15th December 1934.
	E	Mn	00 40 07	7	1	...	
Dec. 16	N,E	e	16 18 58	...	...	...	Aftershock of the Tibetan shock of 15th December 1934.
	E	Mn	16 22 48	...	...	...	
	N	Mn	16 23 09	...	...	...	
	E	F	16 34 ...	...	...	...	
	N	F	16 35 ...	...	...	...	
Dec. 16	N	e	19 18 ...	...	...	...	Tremors.
	E	e	19 16 ...	...	...	...	
	E	f	19 35 ...	...	...	...	
	N	f	19 37 ...	...	...	..	
Dec. 16-17	N,E	eP	23 39 46	..	...	2080	Slight. Aftershock of the Tibetan shock of 15th December 1934.
	N,E	eS	23 43 18	...	...	...	
	N	eL	23 45 20	...	...	...	
	E	eL	23 44 57	...	...	...	
	N	Mn	23 47 35	7	3	...	
	E	Mn	23 47 39	7	1	...	
	N,E	F	00 08 ...	...	...	...	
Dec. 17	N,E	e	03 54 ...	...	...	...	Tremors.
	N,E	F	04 17 ...	...	...	...	
Dec. 17	N,E	Mn	06 57 56	...	...	...	Probably aftershock of the Tibetan shock of 15th December 1934.
	N,E	F	07 10 ...	...	...	...	
Dec. 17	N	Mn	09 28 10	7	2	...	Aftershock of the Tibetan shock of 15th. December 1934.
	E	Mn	09 28 07	7	1	...	
1934.			H. M. S.	Sec.	μ	Km.	
Dec. 17	N	F	09 41 ...	...	...	...	
	E	F	09 43 ...	...	...	...	
Dec. 17	N	Mn	14 53 15	8	2	...	Aftershock of the Tibetan shock of 15th December 1934.
	E	Mn	14 53 11	8	1	...	
	N,E	F	15 09 ...	...	...	...	
Dec. 17	N,E	eP	16 04 33	...	...	8565	Slight.
	E	PR_1	16 07 40	...	...	...	Epc: 6°·5 N., 145° E. British New Guinea.
	E	PR_2	16 09 17	...	...	...	
	N,E	iS	16 14 25	...	...	...	
	N,E	PS	16 15 10	...	...	...	
	N,E	SR_1	16 19 31	...	...	...	
	N,E	SR_2	16 22 40	...	...	...	
	N,E	eL	16 29 ...	...	...	...	
	N	F	17 39 ...	...	...	...	
	E	F	17 40 ...	...	...	...	
Dec. 17	N	Mn	22 43 45	8	2	...	Probably aftershock of the Tibetan shock of 15th December 1934.
	E	Mn	22 43 43	8	1	...	
	N,E	F	22 59 ...	...	...	...	
Dec. 18	N,E	iP	11 26 44	...	...	2145	Moderate.
	N,E	iS	11 30 21	...	...	...	Epc: 32° N., 8 E, South Tibet.
	N,E	SR_1	11 31 01	...	...	...	
	N,E	L	11 31 49	...	...	...	
	N	Mn	11 34 44	8	28	...	
	E	Mn	11 34 26	8	14	...	
	N	F	12 27 ...	...	...	...	
	E	F	12 26 ...	...	...	...	
Dec. 19	N	Mn	03 15 12	8	2	...	Aftershock.
	E	Mn	03 16 12	7	1	...	
	N,E	F	03 32 ...	...	...	...	
Dec. 21	N,E	eP	06 39 08	...	...	2110	Slight.
	N,E	iS	06 42 42	...	...	...	Epc: Tibet Aftershock.
	N	SR_1	06 43 20	...	...	...	
	N,E	eL	06 44 ...	...	...	...	
	N	Mn	06 47 01	8	8	...	
	E	Mn	06 47 24	8	3	...	
	N	F	07 19 ...	...	...	...	
	E	F	07 18 ...	...	...	...	
Dec. 21	N,E	iP	12 43 31	...	...	2145	Moderate.
	N,E	iS	12 47 08	...	...	...	Epc: Tibet. Aftershock.
	N,E	SR_1	12 47 48	...	...	...	
	N	eL	12 48 ...	...	...	...	
	E	eL	12 49 ...	...	...	...	
	N	Mn	12 51 12	8	9	...	
	E	Mn	12 51 14	7	5	...	
	N	F	13 21 ...	...	...	...	
	E	F	13 26 ...	...	...	...	

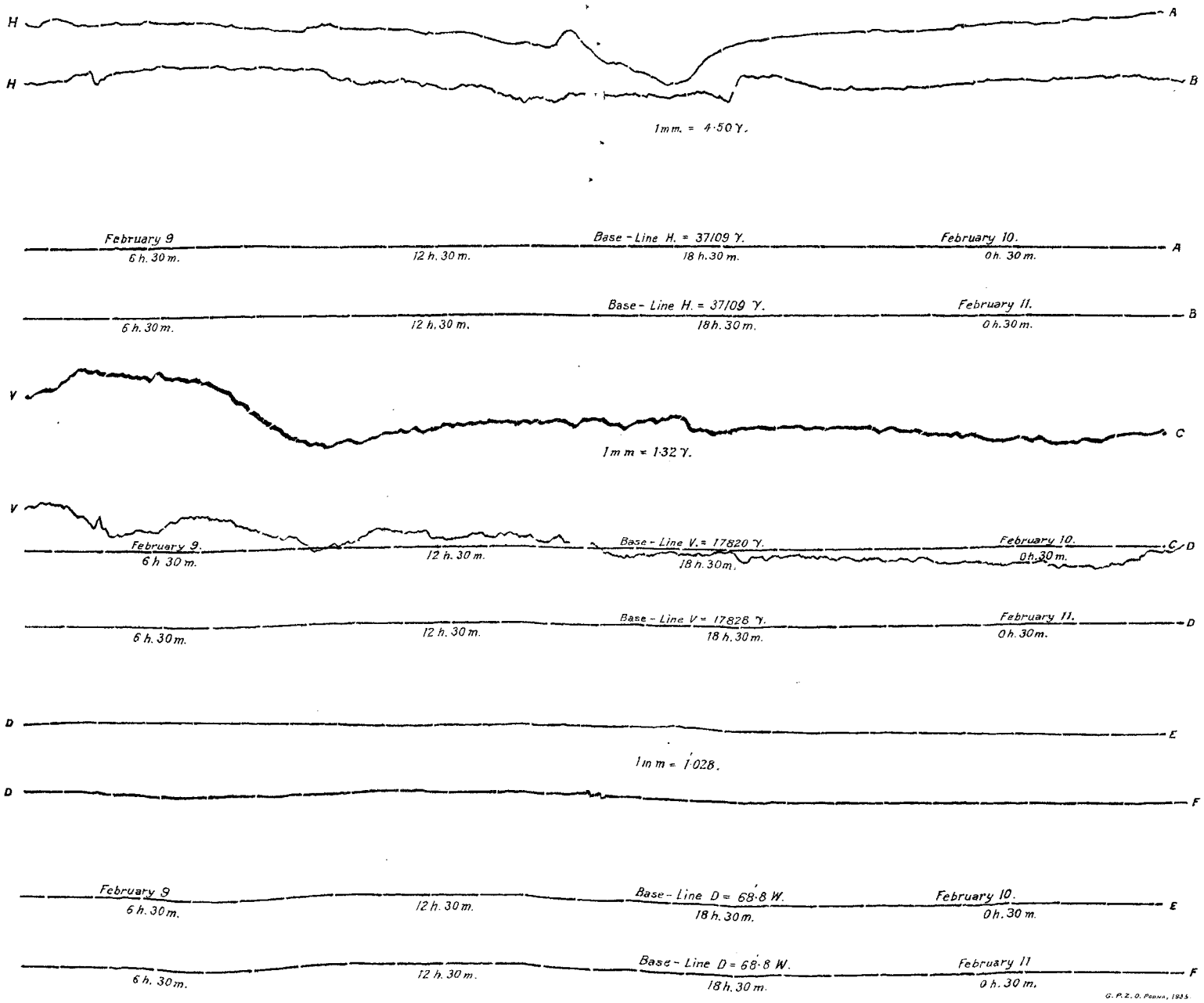
TABLE D 2—*contd.*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.	Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.					H. M. S.	Sec.	μ	Km.	
1934.								1934.							
Dec. 22	N,E	e	05 19 ...		...	...	Tremors.	Dec. 27	N,E	e	12 41 ...	...	...	...	Tremors.
	N	f	05 27 ...		...	...			N,E	f	13	...	...	...	
	E	f	05 28 ...	...	...	...		Dec. 27	N	iP	13 41 27	...	...	1745	Slight.
Dec. 22	N,E	eP	10 57 33	...	...	3280	Slight.		N	PR_1	13 41 58(?)	...	...	...	Epc: 35° N., 72° 5 E. North-West Frontier.
	N,E	PR_2 (?)	10 58 39	...		...	L—waves poor.		N,E	eS	13 44 30	...	...	...	
	N,E	S	11 02 35	...	...	...	Largest movement in S—phase.		N,E	SR_1	13 45 12	...	...	...	
	N,E	SR_1	11 03 59	...	...	...			N,E	L (?)	13 45 43	...	...	...	Felt at Drosh, Peshawar and Lahore.
	N	eL	11 05 33	...	...	...			N	F	14 13 ...	...	...	...	
	E	eL	11 05 39	...	...	...			E	F	14 12 ...	...	...	...	
	N	F	12 11 ...	...	...	...									
	E	F	12 12 ...	...	...	...									
								Dec. 28	N,E	Mn	12 38 30	...	...	...	Seismic activity.
Dec. 22	N,E	e	14 49 ...	...	...	...	Slight. Very distant.								
	N	Mn	15 48 30	...	...	...		Dec. 30	N,E	e	14 13 ...	...	...	...	Slight. Distant.
	E	Mn	15 58 25	...	...	...			N	Mn	15 11 46	...	...	...	
	N	F	17 15 ...	...	...	...			E	Mn	15 08 30	...	...	...	
	E	F	16 54 ...	...	...	...			N	F	16 39 ...	...	...	...	
Dec. 23	E	i	10 11 44	...	...	...	Slight. Very distant		E	F	16 12 ...	...	...	...	
	N,E	i	10 12 23	...	...	...									
	N,E	i	10 15 ...	...	...	...		Dec. 31	N,E	PR_1	19 07 38	...	...	15000	Moderate.
	N,E	e	10 34 ...	...	...	...			N,E	ScPcP	19 08 38	...	...	...	Beginning uncertain.
	E	Mn	11 19 30	...	...	...			E	PR_2	19 10 36	...	...	...	
	N	F	11 41 ...	...	...	...			N,E	ScPcS	19 12 08	...	...	...	Epc: 28° N., 104° W. North Mexico.
	E	F	11 45 ...	...	...	...			N,E	PPS	19 19 46	...	...	...	
Dec. 4	N	Mn	05 18 20	...	...	...	Seismic activity.		N,E	SR_1	19 2- 32	...	...	...	
	E	Mn	05 15 20	...	...	...			N	eL	19 49 48	...	...	...	
									E	eL	19 48 ...	...	...	...	
Dec 24	N,E	e	16 15 15	...	...	...	Seismic activity.		N	Mn	20 09 15	15	14	...	
Dec. 25	N,E	e	06 37 ...	...	...	...	Feeble. Distant.		E	Mn	20 04 40	21	14	...	
	N	f	07 58 ...	...	...	...			N	F	22 22 ...	...	...	...	
	E	f	07 49 ...	...	...	...			E	F	22 18 ...	...	...	...	

GIPD—S 1—211 Meteo Bom.——11-8-36—230.

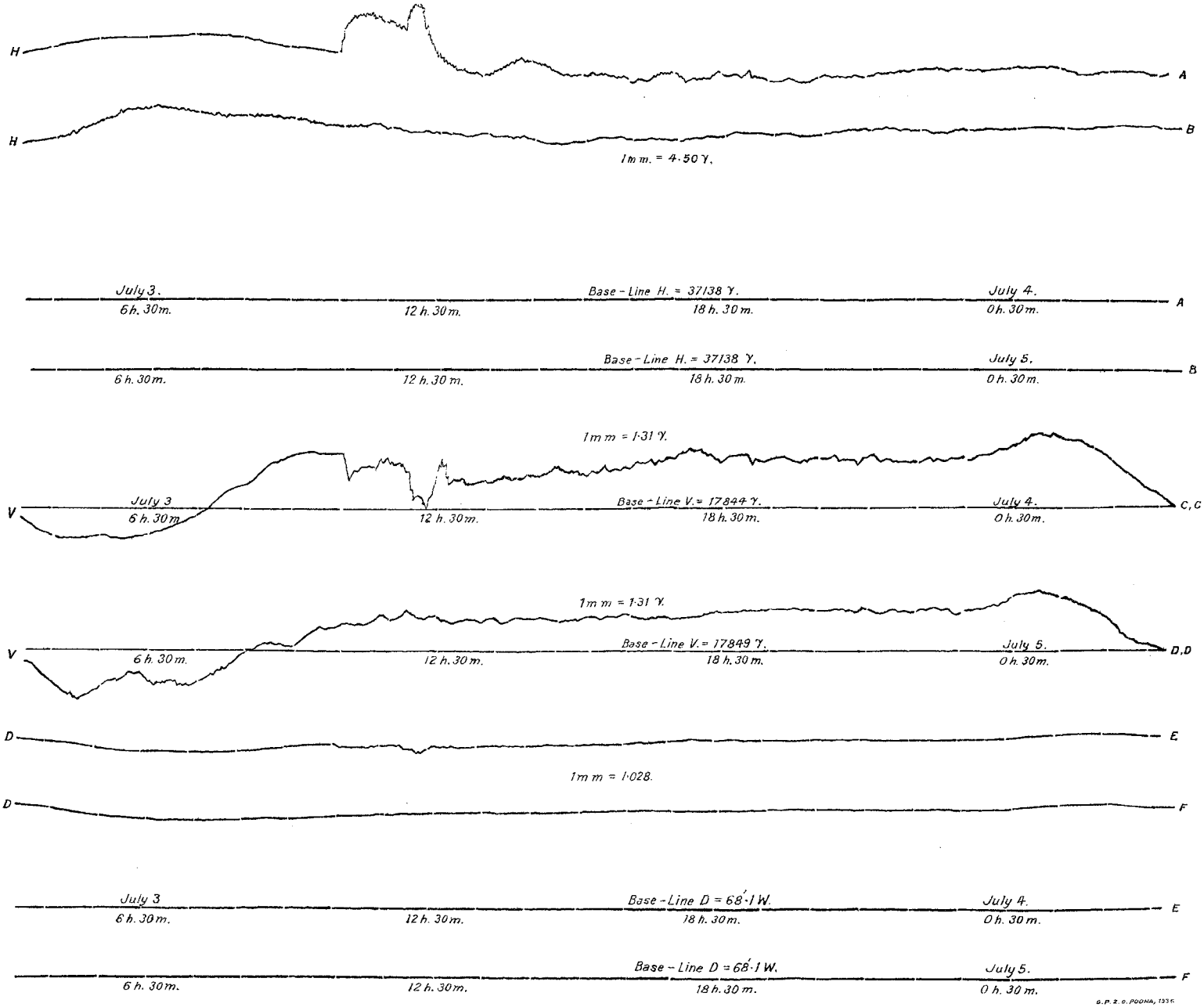
ALIBAG OBSERVATORY MAGNETOGRAMS, 1934.

Plate I



G. P. Z. O. Poona, 1935.

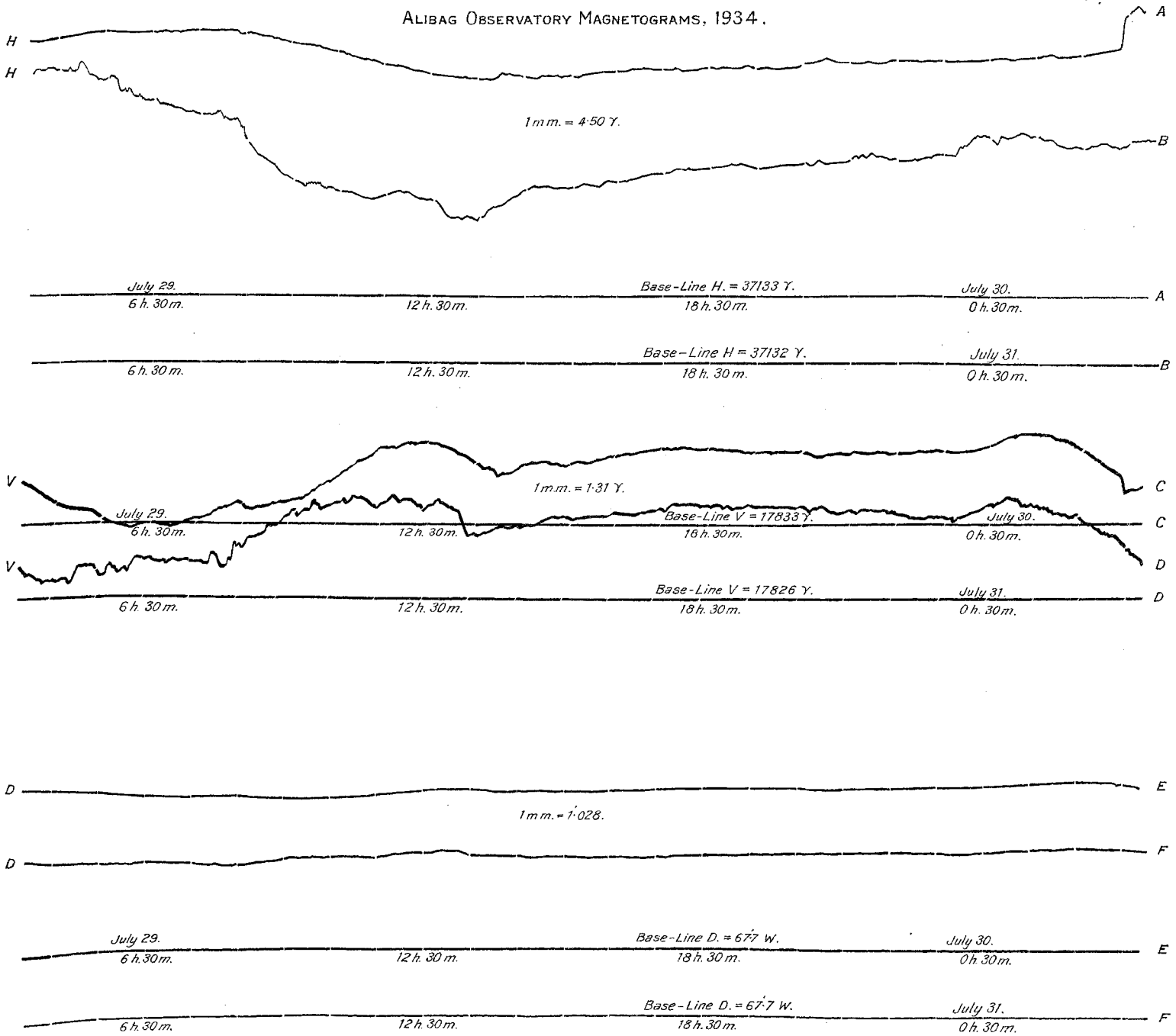
Alibag Observatory Magnetograms, 1934.



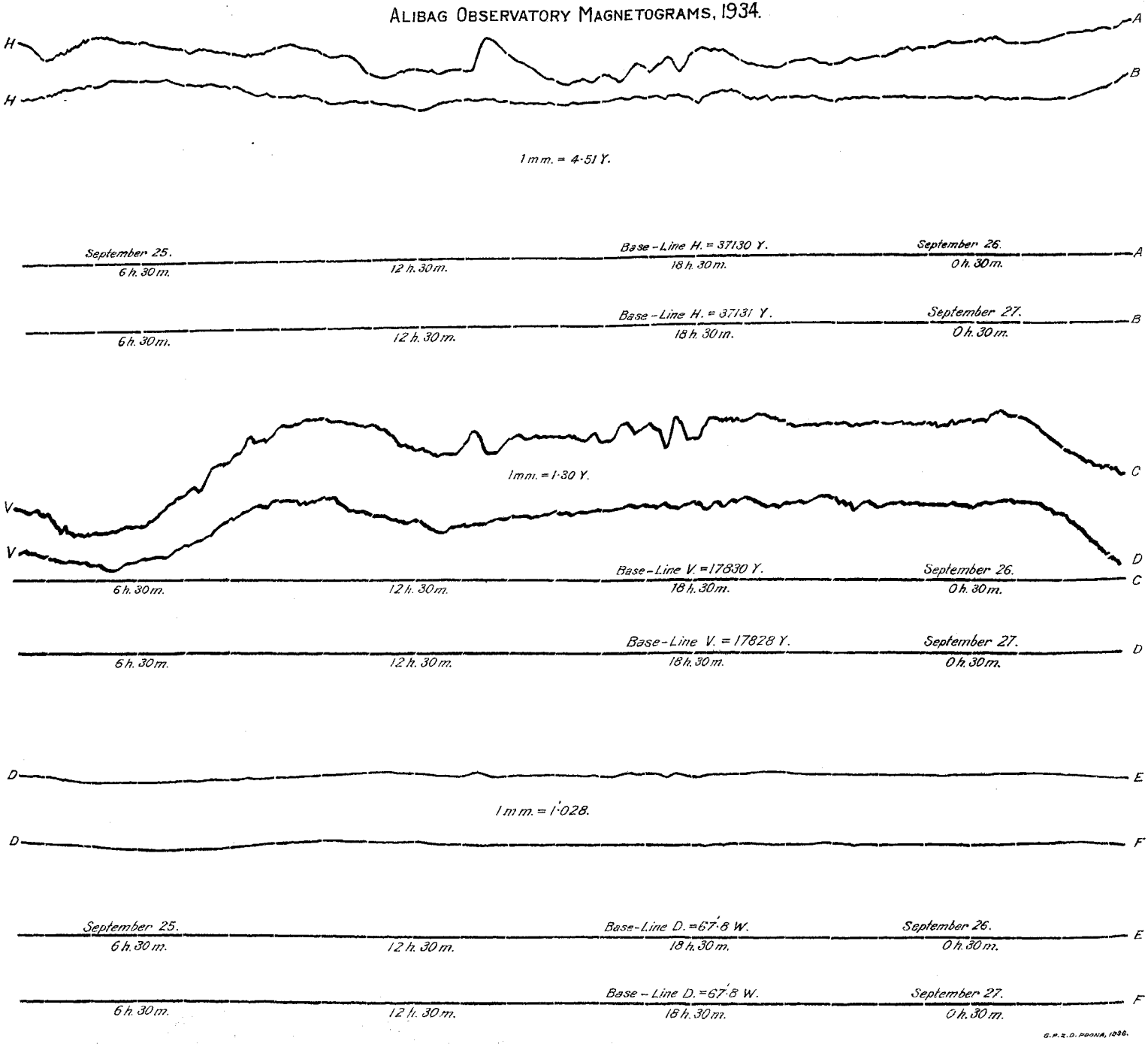
G. P. S. O. POONA, 1935.

Plate III.

Alibag Observatory Magnetograms, 1934.

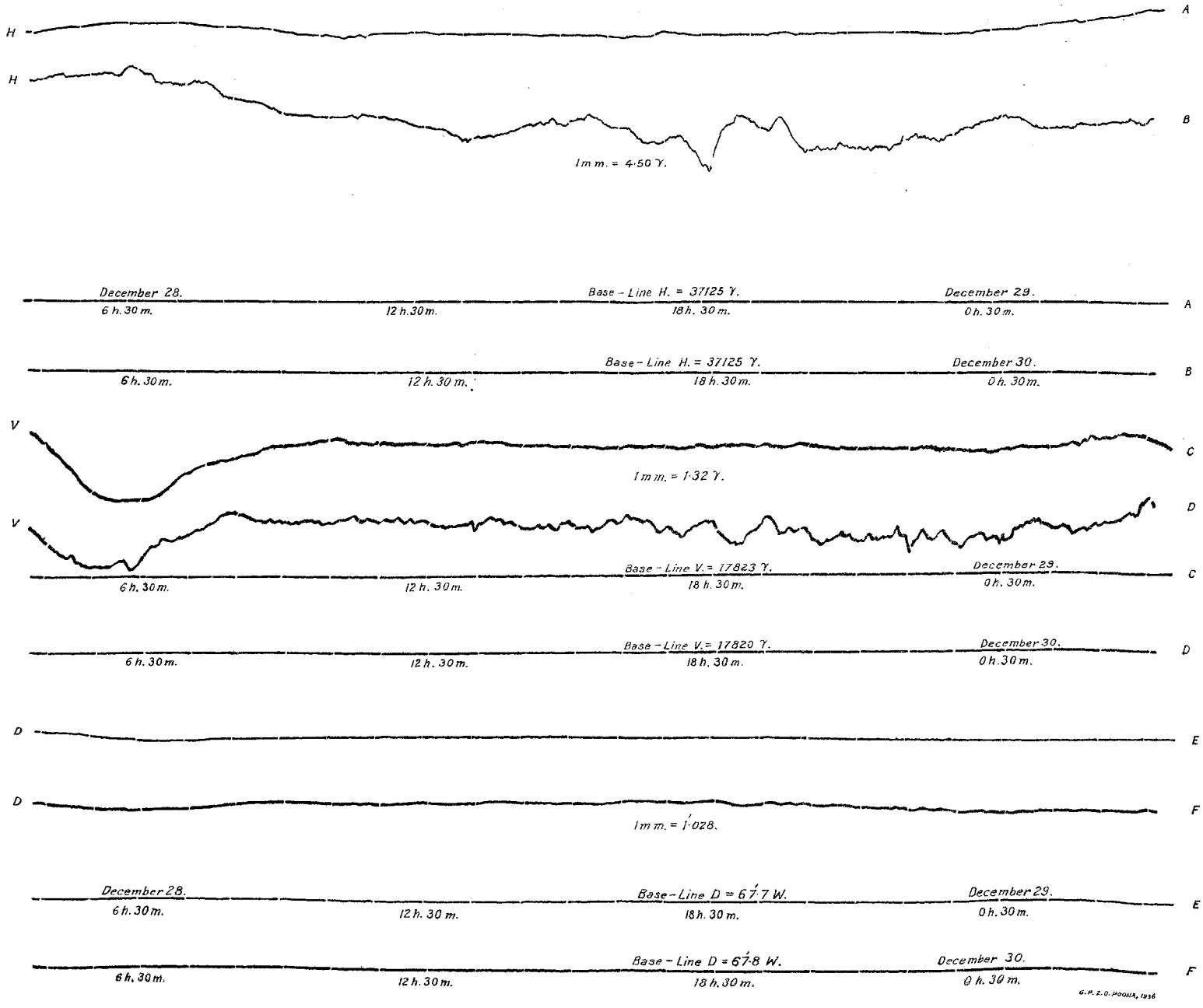


ALIBAG OBSERVATORY MAGNETOGRAMS, 1934.



G.P.S.O. POONA, 1936.

Alibag Observatory Magnetograms, 1934.



G. P. Z. O. POONA, 1936


00133519

Digitized with financial assistance from

Government of Maharashtra

on 01 February, 2020